

Cape Cod Community College AMTS

Practical Project Guide for AMT 229 Airframe Curriculum, Subject Item 51

Part 147, Appendix C, Part 2, Subject H - Position and Warning Systems.

Item 51. Inspect, check and service speed and configuration warning systems, electrical brake controls, and anti-skid systems. (Level 2)

## Project 1

Purpose: To acquaint the student with the proper procedures for the inspection, check, and servicing of speed/stall warning systems.

References:

- (1) 14 CFR Federal Aviation Regulations for Aviation Maintenance Technicians, Aviation Maintenance Technician Handbook – Airframe, Volumes 1 and 2 (FAA-H-8083-31), Chapters 9 and 13. Cessna 402C Maintenance Manual, Chapter 27

Equipment and Tools Needed:

- (1) Cessna 402C Snap-on
- (2) Roll-around Toolbox
- (3) Personal Protection Equipment (PPE)

Supplies and Materials Needed:

- (1) Rags

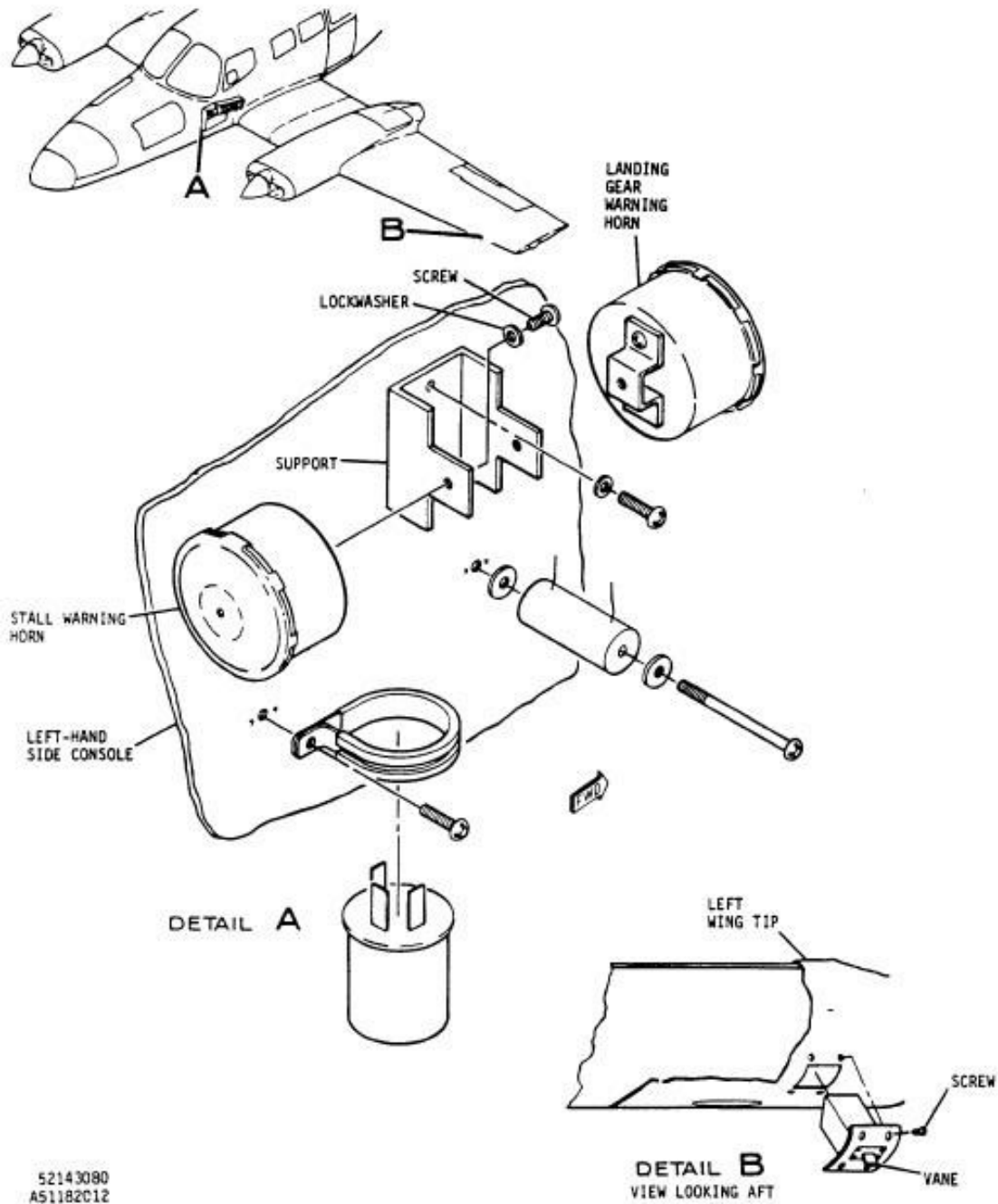
Procedure:

- (1) Remove stall warning transmitter

***Mark the EXACT location of the vane on the wing so that the replacement unit may be adjusted correctly***

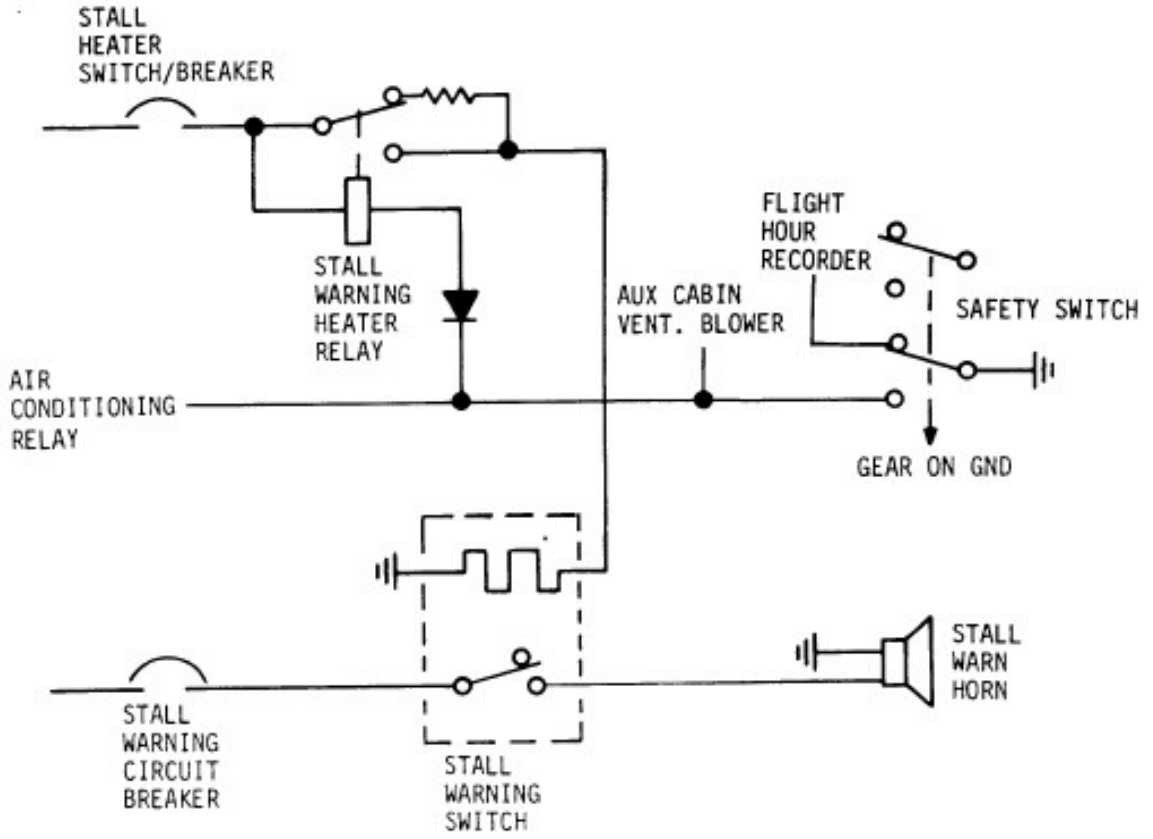
- (1) Inspect for fault conditions. If fault conditions are present, troubleshoot, service, or replace as necessary
- (2) Install stall warning transmitter
- (3) Remove stall warning horn
  - a. Inspect for abnormal or faulty conditions and service/replace as necessary.
  - b. Perform operational check of the Stall Warning System:

c. Perform GROUND CHECK ONLY in accordance with 402C Maintenance Manual, Chapter 27-31-00, Item 4.A, page 204



52143080  
A51182C12  
B57141007

Stall Warning System



52776002

Stall Warning System - Schematic

Cape Cod Community College AMTS

Practical Project Guide for AMT 229 Airframe Curriculum, Subject Item 52

Part 147, Appendix C, Part 2, Subject H - Position and Warning Systems.

Item 52. Inspect, check, troubleshoot, and service landing gear position indicating and warning systems. (Level 3)

## **Project 2**

Purpose: To acquaint the student with the proper procedures for the inspection, check, troubleshooting, and servicing of landing gear position and indicating warning systems.

References:

- (1) 14 CFR Federal Aviation Regulations for Aviation Maintenance Technicians, Aviation Maintenance Technician Handbook – Airframe, Volumes 1 and 2 (FAA-H-8083-31), Chapters 9 and 13. Cessna 402C Maintenance Manual, Chapter 27

Equipment and Tools Needed:

- (1) Cessna 402C Snap-on
- (2) Roll-around Toolbox
- (3) Personal Protection Equipment (PPE)

Supplies and Materials Needed:

- (1) Rags

Procedure:

- (1) Inspect and troubleshoot landing gear position indicating and warning system in accordance with Cessna 402C Maintenance Manual, Chapter 32-60-00, Figure 101, page 107
- (2) Check and service landing gear position indicating and warning systems by adjusting or replacing up and locked switches in accordance with Cessna 402C Maintenance Manual, Chapter 32-60-00, Item 1.C and 1.D, page 201 and Item 4.B

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