



# Cessna 172 Annual/100 Hour Inspection Checklist Template

12 Oct 2021 / Dwight McKensey / Cessna Skyhawk 172 / 2021-471

Complete

|                           |                                             |              |   |         |   |
|---------------------------|---------------------------------------------|--------------|---|---------|---|
| Score                     | 86.67%                                      | Failed items | 4 | Actions | 0 |
| Aircraft Name             | Cessna Skyhawk 172                          |              |   |         |   |
| Conducted on              | 12 Oct 2021 08:05 PST                       |              |   |         |   |
| Prepared by               | Dwight McKensey                             |              |   |         |   |
| Location                  | 130 Olmsted Way, Monterey, CA<br>93940, USA |              |   |         |   |
| Maintenance Report Number | 2021-471                                    |              |   |         |   |

**Failed Items**

4 failed

**Inspection / Wing Surfaces and Tips**

Is there any repair needed?

Yes



Photo 1

**Inspection / Vertical and Horizontal Stabilizers, Tips and Tailcone**

Is there any repair needed?

Yes



Photo 2

**Inspection / Flap Actuator Threads**

Is there any repair needed?

Yes

**Inspection / Cowling**

Is there any repair needed?

Yes



Photo 3

## About the Aircraft

About the Aircraft

|                                 |                    |
|---------------------------------|--------------------|
| <b>Aircraft Name</b>            | Cessna Skyhawk 172 |
| <b>Aircraft S/N</b>             | 17219053           |
| <b>Airplane Time</b>            | <b>100</b>         |
| <b>Registration Number</b>      | N869Z              |
| <b>Current Nautical Reading</b> | <b>9025</b>        |

### Aileron, Elevator, and Rudder Stops

100%

Check for damage and security

Is there any repair needed?

No

### Seat Tracks and Stops

100%

Inspect seat tracks for condition and security of installation. Check seat track stops for damage and correct location. Ensure inspection of seat rails for cracks EACH 50 HOURS.

Is there any repair needed?

No

### Wing Surfaces and Tips

1 failed, 0%

Inspect for skin damage, loose rivets, and condition of paint.

Is there any repair needed?

Yes



Photo 1

Please describe in detail.

There was dent found on the left wing. Needs to be endorsed immediately to maintenance personnel

### Wing Struts and Strut Fairings

100%

Check for dents, cracks, loose screws and rivets, and condition of paint.

Is there any repair needed?

No

### Vertical and Horizontal Stabilizers, Tips and Tailcone

1 failed, 0%

Inspect externally for skin damage and condition of paint

Is there any repair needed?

Yes



Photo 2

Please describe in detail.

Recommending to do some minor repainting in this area

## Vertical and Horizontal Stabilizers and Tailcone structure

100%

Inspect bulkheads, spars, ribs, and skins for cracks, wrinkles, loose rivets, corrosion, or other damage. Inspect vertical and horizontal stabilizer attach bolts for looseness. Retorque as necessary. Check security of inspection covers, fairings, and tips.

Is there any repair needed?

No

## Ailerons and Hinges

100%

Check condition, security and operation.

Is there any repair needed?

No

## Aileron Structure, Control Rods, Hinges, Balance Weights, Bellcranks, Linkage, Bolts, Pulleys, and Pulley Brackets -

100%

Check condition, operation, and security of attachment.

Is there any repair needed?

No

## Aileron Controls

100%

Check freedom of movement and proper operation through full travel with and without flaps extended.

Is there any repair needed?

No

## Flaps

100%

Check tracks, rollers, and control rods for security of attachment. Check operation.

Is there any repair needed?

No

## Flap Actuator Threads

1 failed, 0%

Clean and lubricate

Is there any repair needed?

Yes

Please describe in detail.

Not much of a major repair. Just noticed that the flaps were not that smooth. Advising to apply some non-detergent straight mineral oil to smoothen it out

## Elevator Control

100%

Check freedom of movement and proper operation through full travel with and without flaps extended.

Is there any repair needed?

No

## Elevator, Hinges, and Cable Attachment

100%

Check condition, security, and operation.

Is there any repair needed?

No

## Elevator Trim Tab and Hinges

100%

Check condition, security, and operation

Is there any repair needed?

No

## Rudder

100%

Inspect the rudder skins for cracks and loose rivets, rudder hinges for condition, cracks and security; hinge bolts, hinge bearings, hinge attach fittings, and bonding jumper for evidence of damage and wear, failed fasteners, and security.

Is there any repair needed?

No

## Rudder, Tips, Hinges, and Cable Attachment

100%

Check condition, security, and operation.

Is there any repair needed?

No

## Cowling

1 failed, 0%

Inspect for cracks, dents, and other damage, security of cowl fasteners, and cowl mounted landing lights for attachment.

Is there any repair needed?

Yes



Photo 3

Please describe in detail.

Noticed a few exhaust soots on the cowling. Recommending to just clean out the soot

## Engine

100%

Inspect for evidence of oil and fuel leaks. Wash engine and check for security of accessories.

Is there any repair needed?

No

## Engine Controls and Linkage

100%

Check general condition, freedom of movement through full range. Check for proper travel, security of attachment, and for evidence of wear. Check friction locks for proper operation.

Is there any repair needed?

No

## Ignition Switch and Electrical Harness

100%

Inspect for damage, condition, and security.

Is there any repair needed?

No

## Firewall Structure

100%

Inspect for wrinkles, damage, cracks, sheared rivets, etc. Check cowl shock mounts for condition and security.

Is there any repair needed?

No

## Engine Shock Mounts, Engine Mount Structure, and Ground Straps -

100%

Check condition, security, and alignment

Is there any repair needed?

No

## Induction System

100%

Check security of clamps, tubes, and ducting. Inspect for evidence of leakage.

Is there any repair needed?

No

## Induction Airbox, Valves, Doors, and Controls

100%

Remove air filter and inspect hinges, doors, seals, and attaching parts for wear and security. Check operation. Clean and inspect air filter.

Is there any repair needed?

No

## Induction Air Filter

100%

Remove and clean. Inspect for damage, and service per Paragraph 2-22 and 2-22A

Is there any repair needed?

No

## Alternate Induction Air System

100%

Check for obstructions, operation, and security.

Is there any repair needed?

No

## Alternator, Mounting Bracket, and Electrical Connections

100%

Check condition and security. Check alternator belts for condition and proper adjustment. Check belt tension per Section 16, Paragraph 16-38.

Is there any repair needed?

No

## Battery Box and Cables

100%

Clean and remove any corrosion. Check cables for routing, support, and security of connections.

Is there any repair needed?

No

## Alternator Control Unit

100%

Inspect wiring, mounting, condition, and wire routing.

Is there any repair needed?

No

## External Power Receptacle and Power Cables

100%

Inspect for condition and security

Is there any repair needed?

No



**Maintenance Personnel**

**Full Name of Maintenance Personnel**



**Dwight McKensey**

12 Oct 2021 12:10 PST

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|                                               |                              |
|-----------------------------------------------|------------------------------|
| <b>Certificate Number</b>                     | <b>07382210</b>              |
| <b>Type of Certificate Held</b>               | <b>A</b>                     |
| <b>Date of Completion of Maintenance work</b> | <b>15 Oct 2021 20:10 PST</b> |
| <b>Contact Details</b>                        | <b>559-555-0185</b>          |

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Appendix

Appendix



Photo 1



Photo 2



Photo 3