

PAINT update dec 29

Sico Paints – Chris Complete Coverage 333-8819, 888-241-0270

- Attempting to match R-M paint colours
- White diamont 1245N
- Gold Diamont 6044N
- Inferno Red tinted pearl PEL

C-Max – Dwayne 561-3440

- Working on panel colour
- Can't match R-M paints with imron without chips

Car-Quest – Guy

- Ordered R-M paint codes. Can make half pints for \$20

Paling Industries – Sam

CarQuest – John, Woodward Ave. 545-1221

- Sam buys his paint here.

Buzz Steeves

- Jezebel is Imron 555U pure white
- Sidewinder is Imron 95922U – which has slight amount of yellow
- Both reds are 77968U

Paint

Gray is GM gunmetal C8441 87A/18A/8291, modified as follows.

Normal formula is 56 grams black, 41 white and 1 yellow per pint. Instead, only use 40 grams of black.

We used imron 5000 for the shiny parts, and dupont vinyl paint for the flat parts.

We used imron 6000 (base/clear) for the exterior.

White was GM fleet 11. Red was imron fleet 1831, applied over the white (not over gray, as suggested for best coverage).

Black was.....

Clear was.....

Interior

Diamond Leather – Aeristo.com.

- Uli – 800-736-6201
- Seats in Condor (2nd choice Harrier), Glareshield swallow
- Lamb Gray PNAL-F-401 sending also platinum.
- Diamond uses R&M classic cars in Sarnia. 519-457-4023

• Note Ultraleather HP...Dove Grey and Slate are close to Condor and Swallow.
Larry – Goldstar 549-3533, Kenilworth

- Leather samples
- Jackson Outlaw Putty is the closest he has. Outlaw is a top grain cowhide, aniline dyed then surface finished with a semi transparent colour dye.
- “Vinyl” Colours – Carrara CR-507 Antelope, or any taupe colours seem gray.

Terry Kindy

- Grey Sample is Pittards 57DM, WR100X Verglas, S03 3 SC, 065667

Toronto suggestions

- Leathertown
- Perfect Leather Goods – King St.

Garrett Leather – Buffalo 800-342-7738, 716-882-9301

Linda’s – Norwich – Ultraleather – 519-863-2887

ASC – Nick. Used by brantford nissan

- 5280 creekbank rd.
- 905-625-4567



Transport Canada Transports Canada

Place de Ville, Tower C
Ottawa Ontario
K1A 0N8

June 29th, 2012

SUBJECT: Paperless distribution of Airworthiness Directives and Civil Aviation Safety Alerts

Dear Sir or Madam,

In an effort to reduce Transport Canada's environmental footprint and better manage public funds, Airworthiness Directives (ADs) and Civil Aviation Safety Alerts (CASAs) will now be distributed to aircraft owners primarily through e-mail. Another advantage to e-mail distribution is the timeliness for receiving Emergency Airworthiness Directives, which will allow for greater compliance time.

If you have not previously provided Transport Canada with a valid email address, or you are not sure if we have one on file for you, please send us an e-mail to cawwebfeedback@tc.gc.ca and we will add you to our electronic distribution list.

Note that if you do not have an e-mail address, then we will use the fax number on your file to distribute applicable ADs and CASAs, if one exists. If you are not sure if we have one on file for you, or if this number has changed please let us know.

Please note that all Canadian ADs and CASAs issued by Transport Canada that are still in effect, can be found on our website at www.tc.gc.ca/cawis-swimn.

If you have any questions, feel free to contact us via the email address above or by phone at 1-800-305-2059.

Sincerely,

Marc Caouette
Manager Administrative Services
National Aircraft Certification, Civil Aviation
Transport Canada

03-0068 (1105-04)

www.tc.gc.ca

Canada

INSPECTION JUNE 4/04

F.8L Falco Annual Inspection Checklist #2

This annual inspection checklist is supplied courtesy of Cecil Rives. Please advise us of any suggested changes or additions.

M

2

R

A

E

INSPECTION JUNE 1/05

INSPECTION JUNE 23/06

INSPECTION - JUNE 22/08

F.8L Falco Annual Inspection Checklist

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2014 Inspection

F.8L Falco Annual Inspection Checklist

Jan. 2016

Airframe:

F.8L Falco Annual Inspection Checklist

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Airframe:

Remove:

1. Aileron bellcrank access panels (L & R).
2. Landing gear nut access panels (L & R).
3. Landing gear and flap torque tube access panels (L & R).
4. Main landing gear wheel covers (L & R).
5. Autopilot servo access panel - right wing.
6. Left and right seats.
7. Cockpit floorboard at control stick (L & R).
8. Center console covers.
9. Rear bulkhead.
10. Luggage compartment deck.
11. Rudder pulley access panels (L & R).
12. Rudder and elevator hinge fairings.
13. Wing hinge fairings.
14. Access panel in main gear wheel well, if installed (L & R).
15. Elevator trim tab access panel.
16. Engine cowling.

Inspect:

Skin - check for deterioration, distortion and other evidence of failure or defects.

At Left Wing:

1. Outboard aileron hinge - Tri-flow oil, check for defects.
2. Outboard aileron hinge to aft wing spar - Nuts tight.
3. Outboard aileron hinge to aileron spar - Nuts tight.
4. Center aileron hinge - Tri-flow oil, check for defects.
5. Center aileron hinge and control arm to aileron spar - Tri-flow oil on spherical bearing, nuts tight.
6. Outboard center aileron hinge to aft wing spar - Nuts tight.
7. Inboard center aileron hinge to aft wing spar - Nuts tight.
8. Aileron stop - Nut tight.
9. Aileron/flap hinge - Tri-flow oil, check for defects, nuts tight.
10. Aileron/flap hinge to aft wing spar - Nuts tight.
11. Inboard aileron hinge to aileron spar - Nuts tight.
12. Outboard flap hinge to flap spar - Nuts tight.
13. Inboard flap hinge - Tri-flow oil, check for defects.
14. Inboard flap hinges (2) to aft wing spar - Nuts tight.
15. Inboard flap hinge and control arm to flap spar - Tri-flow oil on spherical bearing, nuts tight.
16. Upper aileron bellcrank support to main wing spar - Nuts tight.
17. Lower aileron bellcrank support to main wing spar - Nuts tight.
18. Aileron bellcrank - Tri-flow oil on pivot bolt and spherical bearing.
19. Forward aileron cable to aileron bellcrank - Tri-flow oil.
20. Aft aileron cable to aileron bellcrank - Tri-flow oil.
21. Aileron bellcrank to aileron pushrod - Tri-flow oil.
22. Aileron pushrod to control arm and hinge - Tri-flow oil.
23. Aileron - Check for smooth operation.
24. Aileron bellcrank - Check for smooth operation.
25. Flap torque tube at pivot in wing - Tri-flow oil.
26. Flap pushrod rod end bearing to flap torque tube - Tri-flow oil.

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Airframe:

Remove:

1. Aileron bellcrank access panels (L & R).
2. Landing gear nut access panels (L & R).
3. Landing gear and flap torque tube access panels (L & R).
4. Main landing gear wheel covers (L & R).
5. Autopilot servo access panel - right wing.
6. Left and right seats.
7. Cockpit floorboard at control stick (L & R).
8. Center console covers.
9. Rear bulkhead.
10. Luggage compartment deck.
11. Rudder pulley access panels (L & R).
12. Rudder and elevator hinge fairings.
13. Wing hinge fairings.
14. Access panel in main gear wheel well, if installed (L & R).
15. Elevator trim tab access panel.
16. Engine cowling.

Inspect:

Skin - check for deterioration, distortion and other evidence of failure or defects.

At Left Wing:

1. Outboard aileron hinge - Tri-flow oil, check for defects.
2. Outboard aileron hinge to aft wing spar - Nuts tight.
3. Outboard aileron hinge to aileron spar - Nuts tight.
4. Center aileron hinge - Tri-flow oil, check for defects.
5. Center aileron hinge and control arm to aileron spar - Tri-flow oil on spherical bearing, nuts tight.
6. Outboard center aileron hinge to aft wing spar - Nuts tight.
7. Inboard center aileron hinge to aft wing spar - Nuts tight.
8. Aileron stop - Nut tight.
9. Aileron/flap hinge - Tri-flow oil, check for defects, nuts tight.
10. Aileron/flap hinge to aft wing spar - Nuts tight.
11. Inboard aileron hinge to aileron spar - Nuts tight.
12. Outboard flap hinge to flap spar - Nuts tight.
13. Inboard flap hinge - Tri-flow oil, check for defects.
14. Inboard flap hinges (2) to aft wing spar - Nuts tight.
15. Inboard flap hinge and control arm to flap spar - Tri-flow oil on spherical bearing, nuts tight.
16. Upper aileron bellcrank support to main wing spar - Nuts tight.
17. Lower aileron bellcrank support to main wing spar - Nuts tight.
18. Aileron bellcrank - Tri-flow oil on pivot bolt and spherical bearing.
19. Forward aileron cable to aileron bellcrank - Tri-flow oil.
20. Aft aileron cable to aileron bellcrank - Tri-flow oil.
21. Aileron bellcrank to aileron pushrod - Tri-flow oil.
22. Aileron pushrod to control arm and hinge - Tri-flow oil.
23. Aileron - Check for smooth operation.
24. Aileron bellcrank - Check for smooth operation.
25. Flap torque tube at pivot in wing - Tri-flow oil.
26. Flap pushrod rod end bearing to flap torque tube - Tri-flow oil.

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heck
N/A

27. Flap pushrod to control arm and hinge on flap - Tri-flow oil.
28. Fuel vent - Check clear.

At Right Wing:

1. Outboard aileron hinge - Tri-flow oil, check for defects.
2. Outboard aileron hinge to aft wing spar - Nuts tight.
3. Outboard aileron hinge to aileron spar - Nuts tight.
4. Center aileron hinge - Tri-flow oil, check for defects.
5. Center aileron hinge and control arm to aileron spar - Tri-flow oil on spherical bearing, nuts tight.
6. Outboard center aileron hinge to aft wing spar - Nuts tight.
7. Inboard center aileron hinge to aft wing spar - Nuts tight.
8. Aileron stop - Nut tight.
9. Aileron/flap hinge - Tri-flow oil, check for defects.
10. Aileron/flap hinge to aft wing spar - Nuts tight.
11. Inboard aileron hinge to aileron spar - Nuts tight.
12. Outboard flap hinge to flap spar - Nuts tight.
13. Inboard flap hinge - Tri-flow oil, check for defects.
14. Inboard flap hinges (2) to aft wing spar - Nuts tight.
15. Inboard flap hinge and control arm to flap spar - Tri-flow oil on spherical bearing, nuts tight.
16. Upper aileron bellcrank support to main wing spar - Nuts tight.
17. Lower aileron bellcrank support to main wing spar - Nuts tight.
18. Aileron bellcrank - Tri-flow oil on pivot bolt and spherical bearing.
19. Forward aileron cable to aileron bellcrank - Tri-flow oil.
20. Aft aileron cable to aileron bellcrank - Tri-flow oil.
21. Aileron bellcrank to aileron pushrod - Tri-flow oil.
22. Aileron pushrod to control arm and hinge - Tri-flow oil.
23. Aileron - check for smooth operation.
24. Aileron bellcrank - check for smooth operation.
25. Flap torque tube at pivot in wing - Tri-flow oil.
26. Flap pushrod rod end bearing to flap torque tube - Tri-flow oil.
27. Flap pushrod to control arm and hinge on flap - Tri-flow oil.
28. Fuel vent - Check clear.

At Elevator:

1. Elevator hinge, L.H. - Tri-flow oil.
2. Elevator hinges, L.H. (2) to main stabilizer spar - Nuts tight.
3. Elevator hinge, L.H., to elevator spar - Nuts tight.
4. Elevator hinge, center - Tri-flow oil.
5. Elevator hinges, center (2), to main fin and elevator spars - Nuts tight.
6. Elevator hinge, center, to elevator spar - Nuts tight.
7. Elevator hinge, R.H., - Tri-flow oil.
8. Elevator hinges, R.H. (2), to main stabilizer spar - Nuts tight.
9. Elevator hinge, R.H., to elevator spar - Nuts tight.
10. Elevator control arm to upper elevator cable - Tri-flow oil.
11. Elevator control arm to lower elevator cable - Tri-flow oil.
12. Elevator control movement - Check for smooth operation.

At Elevator Trim Tab:

1. Control cable at access port - Clamp nuts tight.
2. Control cable to trim tab control arm - Tri-flow oil.
3. Trim tab control arm to trim tab - Check screws (3) tight.
4. Elevator trim tab hinges (2) - Tri-flow oil, screws (12) tight.

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check
N/A

5. Elevator trim tab - Check for smooth operation.

At Front Fin Spar (Access Port):

1. Rudder cable pulley - Rotate 90°, check for smooth operation.
2. Rudder cable pulley bracket to front fin spar - Nuts tight.
3. Tail light and tail strobe light terminal block - Check connections.

At Rudder:

1. Upper rudder hinge - Tri-flow oil.
2. Upper rudder hinge to main fin spar - Nuts tight.
3. Upper rudder hinges (2) to rudder spar - Nuts tight.
4. Lower rudder hinge - Tri-flow oil.
5. Lower rudder hinges (2) to main fin spar - Nuts tight.
6. Rudder control arm to rudder spar - Nuts tight.
7. Rudder control arm to R.H. rudder cable - Tri-Flow oil.
8. Rudder control arm to L.H. rudder cable - Tri-flow oil.
9. Rudder control movement - Check for smooth operation.

At Wing Tips and Rudder:

1. Navigation and strobe lights - Check for proper operation.

At Battery Compartment:

1. Terminals - Check for tightness and cleanliness.
2. Battery - Check for security of mount.

In Cockpit:

1. Control stick, L.H., pivot bolt - Tri-flow oil.
2. Control stick, L.H., to control stick connecting rod - Tri-flow oil.
3. Control stick, L.H., to forward aileron cable - Tri-flow oil.
4. Forward aileron cable, L.H. - Check tension: 45 lbs. $\pm$ 2 lbs.
5. Aft aileron cable - Check tension: 45 lbs. $\pm$ 2 lbs.
6. Control stick torsion tube pivot point, L.H. - Tri-flow oil.
7. Control stick supports (2), L.H. - Nuts tight.
8. Control stick, R.H., pivot bolt - Tri-flow oil.
9. Control stick, R.H., to control stick connecting rod - Tri-flow oil.
10. Control stick, R.H., to forward aileron control cable - Tri-flow oil.
11. Forward aileron cable, R.H. - Check tension: 45 lbs. $\pm$ 2 lbs.
12. Control stick torsion tube pivot point, R.H. - Tri-flow oil.
13. Control stick supports (2), R.H. - Nuts tight.
14. Control stick torsion tube to elevator pushrod - Tri-flow oil.
15. Control sticks - Check for smooth operation.
16. Elevator trim tab control cable to jackscrew - Tri-flow oil.
17. Elevator trim tab screwjack threads - Tri-flow oil.
18. Elevator trim tab angle drive to mounting bracket - Nuts tight.
19. Elevator trim tab control cable to landing gear gearbox - Nuts tight.
20. Elevator trim tab control - Check for smooth operation.
21. Left rudder pedal torque tube, L.H. pivot bolt - Tri-flow oil.
22. Rudder pedal torque tube support, left outboard - Nuts tight.
23. Right rudder pedal torque tube, L.H. pivot bolt - Tri-flow oil.
24. Rudder pedal torque tube support, left inboard - Nuts tight.
25. Brake pedal, L.H. - Tri-flow oil.
26. Brake pedal, R.H. - Tri-flow oil.
27. Master cylinder, L.H., upper bolt - Tri-flow oil.
28. Master cylinder, L.H., lower bolt - Tri-flow oil.

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29. Master cylinder, R.H. upper bolt - Tri-flow oil.
30. Master cylinder, R.H. lower bolt - Tri-flow oil.
31. R.H. rudder pedal torque tube to rudder cable - Tri-flow oil.
32. R.H. rudder pedal torque tube to nose gear steering cable - Tri-flow oil.
33. Brake pedals - Check for smooth operation.
34. Left rudder pedal torque tube, R.H. pivot bolt - Tri-flow oil.
35. Rudder pedal torque tube support, right inboard - Nuts tight.
36. Right rudder pedal torque tube, R.H. pivot bolt - Tri-flow oil.
37. Rudder pedal torque tube support, right outboard - Nuts tight.
38. L.H. rudder pedal torque tube to rudder cable - Tri-flow oil.
39. L.H. rudder pedal torque tube to nose gear steering cable - Tri-flow oil.
40. Rudder pedals - Check for smooth operation.
41. Pilot and passenger seat tracks - Tri-flow oil when seats reinstalled.
42. Pilot and passenger shoulder belt support fittings to fuselage - Check condition.
43. Pilot and passenger outboard seat belt fitting to fuselage - Check condition.
44. Pilot and passenger outboard seat belt fitting to seat belt cable - Check condition.
45. Pilot and passenger outboard seat belt to seat belt cable - Check condition.
46. Pilot and passenger inboard seat belt fitting to frame #6 - Check condition.
47. Pilot and passenger inboard seat belt cable to inboard seat belt fitting - Check condition.
48. Pilot and passenger inboard seat belt to seat belt cable - Check condition.
49. Left canopy roller assembly in canopy track - Tri-flow oil, check for smooth operation.
50. Left aft lower and upper rollers at canopy roller support - Tri-flow oil, check for smooth operation.
51. Right canopy roller assembly in canopy track - Tri-flow oil, check for smooth operation.
52. Right aft lower and upper rollers at canopy roller support - Tri-flow oil, check for smooth operation.
53. Canopy latch handle to canopy frame - Tri-flow oil.
54. Canopy latch handle to canopy latch hook - Tri-flow oil.
55. Canopy latch mechanism - Check for positive lock action.
56. Canopy - Check for cracks, security of lock and track mechanisms.
57. Front fuel tank - Check tank and connections for signs of leaks. Drain tank and remove and clean finger strainer.
58. Fuel selector valve - Check for signs of leaks.
59. Cockpit - Clean, make sure no objects are present that might foul controls.
60. Instruments - Check condition.
61. Instrument panel - Check mounting, labels, loose wiring, general condition.
62. Magnetic compass - Check accuracy.
63. Vacuum system regulator valve - Replace filter.
64. Vacuum system inlet valve - Replace filter (500 hours).
65. Wiring - Check for improper routing, insecure mounting and other defects.

In Cockpit at Throttle Quadrant:

1. Throttle control arm to throttle control cable - Tri-flow oil.
2. Throttle control cable to bracket on nose wheel bay cover - Nut tight.
3. Prop control arm to prop control cable - Tri-flow oil.
4. Prop control cable to bracket on nose wheel bay cover - Nut tight.
5. Mixture control arm to mixture control cable - Tri-flow oil.
6. Mixture control cable to bracket on nose wheel bay cover - Nut tight.
7. Throttle control - Check for smooth operation.
8. Prop control - Check for smooth operation.

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9. Mixture control - Check for smooth operation.

In Cockpit at L.H. Throttle:

1. L.H. throttle arm to pushrod - Tri-flow oil.
2. L.H. throttle pushrod to torque tube - Tri-flow oil.
3. L.H. throttle torque tube at left end - Tri-flow oil.
4. L.H. throttle torque tube at right end - Tri-flow oil.
5. L.H. throttle torque tube to center pushrod - Tri-flow oil.
6. Center pushrod to throttle control arm - Tri-flow oil.

In Cockpit at Frame #3:

1. Rudder cable pulley, L.H., - Rotate 90°, check for smooth operation.
2. Rudder cable pulley bracket, L.H., to front wing spar - Nuts tight.
3. Rudder cable pulley, R.H. - Rotate 90°, check for smooth operation.
4. Rudder cable pulley bracket, R.H., to front wing spar - Nuts tight.

In Cockpit at Frame #5:

1. Rudder cable pulley, L.H. - Rotate 90°, check for smooth operation.
2. Rudder cable pulley bracket, L.H., to fuselage frame - Nuts tight.
3. Rudder cable pulley, R.H. - Rotate 90°, check for smooth operation.
4. Rudder cable pulley bracket, R.H., to fuselage frame - Nuts tight.
5. Flap torque tube to flap torque tube support, pivot bolt - Tri-flow oil.
6. Flap torque tube support to fuselage bottom - Nuts tight.
7. Flap torque tube to flap actuator - Tri-flow oil.
8. Flap actuator to flap actuator supports - Tri-flow oil.
9. Flap actuator supports (2) to fuselage bottom - Nuts tight.
10. Flaps - Check for smooth operation.
11. Inverted header tank - Check for leaks, security of mounting.

In Aft Cockpit (Frame #6):

1. Elevator pushrod to elevator bellcrank - Tri-flow oil.
2. Elevator bellcrank pivot bolt - Tri-flow oil.
3. Elevator bellcrank supports (2) - Nuts tight.
4. Elevator bellcrank to upper elevator cable - Tri-flow oil.
5. Elevator bellcrank to lower elevator cable - Tri-flow oil.
6. Upper elevator cable - Check tension: 45 lbs. $\pm$ 2 lbs.
7. Lower elevator cable - Check tension: 45 lbs. $\pm$ 2 lbs.
8. Elevator bellcrank, pushrod and cables - Check for interference and smooth operation.
9. Aft fuel tank - Check tank and connections for signs of leaks, drain tank and remove and clean finger strainer.
10. ELT - Replace batteries if appropriate, check operation, make logbook entry.
11. Rudder cable, L.H. - Check tension: 38 lbs. $\pm$ 2 lbs.
12. Rudder cable, R.H. - Check tension: 38 lbs. $\pm$ 2 lbs.
13. Wiring - Check for misrouting, fraying, loose connections.

Landing Gear

At Nose Gear:

1. Wheel bearings - Remove, clean, repack and reinstall - Mobil 28 (red).
2. Axle - Safety screw tight.
3. Axle nut - Safety screw tight.
4. Lower torque link to eyebolts on nose gear fork - Mobil 28 (red).
5. Lower torque link to upper torque link - Mobil 28 (red).
6. Upper torque link to nose gear upper cylinder - Mobil 28 (red).

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7. Nose gear upper ring nut - Safety screw tight.
8. Nose gear trunnion (left and right sides) to engine mount - Mobil 28 (red).
9. Nose gear trunnion to lower drag strut - Mobil 28 (red).
10. Lower drag strut to upper drag strut - Mobil 28 (red).
11. Upper drag strut to drag strut support (left and right sides) - Mobil 28 (red).
12. Nose gear screwjack end fitting to screwjack sleeve - Mobil 28 (red).
13. Nose gear screwjack (male threads) - AeroShell 17 (black).

At Main Landing Gear Nut Access Port, Left Wing:

1. Forward mount fitting - Nuts (4) tight.
2. Main landing gear at forward mount fitting - Mobil 28 (red).

At Main Landing Gear, Left Wing:

1. Main landing gear aft fitting - Nuts (4) tight, Mobil 28 (red).
2. Main landing gear leg to landing gear arm - Mobil 28 (red).
3. Main landing gear leg to upper end of oleo strut - Mobil 28 (red).
4. Main landing gear arm to lower end of oleo strut - Mobil 28 (red).
5. Main landing gear leg to side load strut pin - Nut tight.
6. Main landing gear leg to lower side load strut - Mobil 28 (red).
7. Lower side load strut to upper side load strut - Mobil 28 (red).
8. Upper side load strut to side load fitting pin - Mobil 28 (red).
9. Side load fitting pin - Nut tight.
10. Side load fitting - Nuts (4) tight.
11. Brake on landing gear arm - Nuts (4) tight, inspect brake lines and brake pads.
12. Wheel bearings - Remove, clean, repack and reinstall - Mobil 28 (red).
13. Screwjack end fitting to upper side load strut - Mobil 28 (red).
14. Screwjack end fitting to screwjack sleeve - Mobil 28 (red).
15. Screwjack (male threads) - AeroShell 17 (black).
16. Landing gear leg to gear door pushrod - Tri-flow oil.
17. Gear door pushrod to gear door fittings - Tri-flow oil.
18. Gear door fittings on gear door - Nuts (4) tight.
19. Gear door to wing - Screws tight.
20. Gear door hinge - Tri-flow oil.
21. Wheel well door hinge to fuselage - Screws tight.
22. Wheel well door hinge - Tri-flow oil.
23. Pushrod fitting on wheel well door - Nuts (4) tight.
24. Lower inboard wheel well door pushrod to fitting on door - Tri-flow oil.
25. Upper inboard wheel well door pushrod to fitting in fuselage - Tri-flow oil.
26. Fuselage fitting for wheel well door pushrod - Nuts (2) tight.
27. Junction of three wheel well door pushrods - Tri-flow oil.
28. Outboard wheel well door pushrod to screwjack sleeve - Tri-flow oil.

At Main Landing Gear Nut Access Port, Right Wing:

1. Forward mount fitting - Nut tight.
2. Main landing gear at forward mount fitting - Mobil 28 (red).

At Main Landing Gear, Right Wing:

1. Main landing gear aft fitting - Nuts (4) tight, Mobil 28 (red).
2. Main landing gear leg to landing gear arm - Mobil 28 (red).
3. Main landing gear leg to upper end of oleo strut - Mobil 28 (red).
4. Main landing gear arm to lower end of oleo strut - Mobil 28 (red).
5. Main landing gear leg to side load strut pin - Nut tight.
6. Main landing gear leg to lower side load strut - Mobil 28 (red).
7. Lower side load strut to upper side load strut - Mobil 28 (red).

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8. Upper side load strut to side load fitting pin - Mobil 28 (red).
9. Side load fitting pin - Nut tight.
10. Side load fitting - Nuts (4) tight.
11. Brake on landing gear arm - Nuts (4) tight, inspect brake lines and brake pads.
12. Wheel bearings - Remove, clean, repack and reinstall - Mobil 28 (red).
13. Screwjack end fitting to upper side load strut - Mobil 28 (red).
14. Screwjack end fitting to screwjack sleeve - Mobil 28 (red).
15. Screwjack (male threads) - AeroShell 17 (black).
16. Landing gear leg to gear door pushrod - Tri-flow oil.
17. Gear door pushrod to gear door fitting - Tri-flow oil.
18. Gear door fittings on gear door - Nuts (4) tight.
19. Gear door hinge to wing - Screws tight.
20. Gear door hinge - Tri-flow oil.
21. Wheel well door hinge to fuselage - Screws tight.
22. Wheel well door hinge - Tri-flow oil.
23. Pushrod fitting on wheel well door - Nuts (4) tight.
24. Lower inboard wheel well door pushrod to fitting on door - Tri-flow oil.
25. Upper inboard wheel well door pushrod to fitting in fuselage - Tri-flow oil.
26. Fuselage fitting for wheel well door pushrod - Nuts tight.
27. Junction of three wheel well door pushrods - Tri-flow oil.
28. Outboard wheel well door pushrod to screwjack sleeve - Tri-flow oil.

All Landing Gear:

1. Retraction test - Observe action and fit of gear and doors.
2. Tires - Inspect and replace if necessary, check pressure.
3. Oleo struts - Check fluid level (deflate first!), inflate to proper pressure.

At Wheel Well Access Ports:

1. Landing gear gearbox - Grease with AeroShell 17 (black).
2. Brake lines - Check condition.
3. Screwjack universal joints - Check condition.

Engine, Propeller and Spinner

Propeller and Spinner:

1. Prop to engine crankshaft - Studs (6) torqued and safetied.
2. Prop - Dress out pits and scratches, inspect for cracks, service per manufacturers service bulletins.
3. Spinner mounting plate to prop hub - Attachment bolts tight, check for cracks.
4. Spinner mounting plates - Attachment screws tight, check for cracks.

At Engine Compartment:

1. Engine and accessories - Check for fluid leaks and sources of same.
2. Engine and engine compartment - Clean with suitable cleaners, plastic bag vacuum pump.
3. Engine mount to firewall - Check for cracks, tightness of attachment hardware.
4. Engine mount to engine - Check mounting hardware and condition of Lord mounts (replace every 500 hours).
5. Baffling - Check condition of seals, tightness of attachment hardware, cracks.
6. Ignition lead supports (L & R) in aft baffle - Check condition.
7. Left front and left aft baffle assemblies to intercyylinder baffles - Check for springs (4) in place, condition.
8. Right front and right aft baffle assemblies to intercyylinder baffles - Check for springs (4) in place, condition.

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9. Oil cooler - Check condition, cooling fins clear, check lines and fittings for leaks.
10. Cowling supports - Check condition and tightness of attachment hardware.
11. L.H. and R.H. cowling door hinge pins - Tri-flow oil.
12. L.H. and R.H. cowling door wing fasteners - Tri-flow oil.
13. L.H. and R.H. cowling door wing fastener receptacles - Tri-flow oil.
14. Fuel line, firewall to gascolator - Check condition, signs of leakage.
15. Fuel line, gascolator to electric fuel pump - Check condition, signs of leakage.
16. Fuel line, electric fuel pump to engine-driven fuel pump - Check condition, signs of leakage.
17. Fuel line, engine-driven fuel pump to injector throttle body - Check condition, signs of leakage.
18. Fuel line, injector throttle body to spider - Check condition, signs of leakage.
19. Fuel lines, spider to injectors - Check condition, signs of leakage.
20. Fuel pressure line, spider to firewall fitting - Check condition, signs of leakage.
21. Fuel pressure line, firewall fitting to fuel pressure gauge - Check condition, signs of leakage.
22. Alternator bracket - Check mounting hardware, signs of cracks.
23. Alternator - Check mounting hardware; belt condition and tension.
24. CHT senders - Check installation; condition of wires and connections.
25. EGT senders - Check installation; condition of wires and connections.
26. Landing gear up-limit switch - Check installation and condition.
27. Landing gear down-limit switch - Check installation and condition.
28. Ignition harness - Check installation and condition.
29. Both magnetos - Check 'P' lead and shield connections.
30. Both magnetos - Check points for clearance.
31. Both magnetos - Check breaker felts for proper lubrication.
32. Both magnetos - Check distributor block for cracks, burned areas or corrosion and height of contact springs.
33. Gascolator - Remove and clean strainer.
34. Nose gear steering arm to engine mount - Tri-flow oil.
35. Nose gear steering arm to L.H. eyebolt - Tri-flow oil.
36. L.H. eyebolt to L.H. nose gear steering cable - Tri-flow oil.
37. Nose gear steering arm to R.H. eyebolt - Tri-flow oil.
38. R.H. eyebolt to R.H. nose gear steering cable - Tri-flow oil.
39. L.H. roller in nose gear steering arm - Tri-flow oil.
40. R.H. roller in nose gear steering arm - Tri-flow oil.
41. Cabin heat valve assembly - Check for installation of all grommets.
42. Cabin heat valve - Check for proper operation.
43. Throttle control cable to injector - Tri-flow oil.
44. Propeller control cable to propeller governor - Tri-flow oil.
45. Mixture control cable to injector - Tri-flow oil.
46. Tachometer cable - Remove and lubricate.
47. Exhaust pipes to all cylinders - Inspect for leaks, cracks; torque nuts.
48. L.H. exhaust pipe support assembly at firewall - Check for condition.
49. R.H. exhaust pipe support assembly at firewall - Check for condition.
50. Cabin heat Aeroduct tubing from right front baffle to heat muff - Check for leaks.
51. Cabin heat muff - Check condition.
52. Cabin heat Aeroduct tubing from heat muff to cabin heat valve - Check condition.
53. Alternator cooling Aeroduct tubing from right front baffle to alternator - Check condition.

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54. Cowling - Check for cracks and other defects.
55. Crankcase oil and filter - Change as necessary.
56. Oil sump finger screen - Remove and clean.
57. Spark plugs - Clean, gap, and rotate.
58. Engine cylinders - Perform compression test.
59. Brake fluid reservoir - Check level.
60. Fuel injector - Remove and clean inlet filter.
61. Induction air system - Replace filter; check alternate air valve.
62. Fuel injectors (4) - Remove, clean, replace.
63. Engine timing - Check for proper setting.
64. Vacuum pump outflow tube - Check for excessive carbonization.
65. Vacuum pump Garlock seal - Check for leakage.
66. Engine run-up - Check idle RPM; idle mixture; fuel and oil pressure; cylinder and oil temperature; shut down and check for leaks.
67. Engine cowling - Reinstall.

Airframe and Cockpit:

1. Access panels and hinge fairings - Reinstall.
2. Luggage compartment bulkhead and deck - Reinstall.
3. Cockpit floorboards - Reinstall.
4. Console covers - Reinstall.
5. Seat tracks - Tri-flow oil.
6. Seats - Reinstall.
7. GO FLY!

This inspection checklist was compiled from the following sources:

1. Falco Flight Test Manual - Sequoia Aircraft Corporation
2. Falco Builder's Letter, March 1993 - Stephan Wilkinson
3. FAR, Part 43, Appendix 'D'
4. Aircraft Owners Handbook - Timothy Fisher
5. Personal Aircraft Maintenance - Kas Thomas