

N24DR SN 393

INSP: B1 100
A 50

START DATE: 5/7/2018
COMPLETION 6/25/2018

Eng #1 7928
Eng #2 14C.3

TAT: 47,504.0

Ferreteria E. Implementos SAN FRANCISCO

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3.3 Master Record Card.

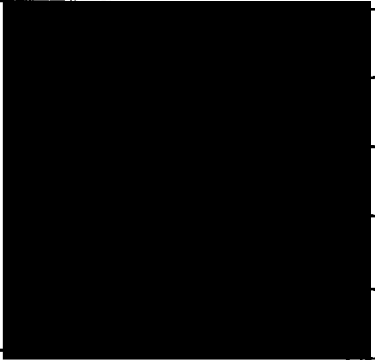
CHECK <u>B1 A</u>	MAINTENANCE CHECK	DATE <u>6/25/2018</u>
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STATION LND START DATE 5/7/2018 N. 240R
 LOG BOOK TIMES TAT 47,504.0 LEFT ENG. 792.8 RIGHT ENG. 146.3

SPECIAL ITEMS CARDS					
MODIFICATION NO.'S					
TOTAL NUMBER OF NON-ROUTINE MAINTENANCE ITEMS	<u>5</u>			TOTAL NUMBER OF DEFERRED NON-ROUTINE MAINTENANCE ITEMS.	

COMPONENT CHANGES

SER. NO. OFF	SER. NO. ON	PART NO. & NAME
<u>2</u>		<u>15 X 105</u>
<u>2021 H Bm</u> <u>9429 Bm</u>	<u>44193 Bm</u> <u>1046 Bm</u>	<u>820851 EXT</u>

1. REVIEW AIRCRAFT LOG							
2. POWER PLANT ITEMS							
3. INTERIOR ITEMS							
4. EXTERIOR ITEMS							
RECORD TIRE PRESSURES AFTER SERVICING							
Service To:							
<table border="1"> <tr> <td><u>72</u> <u>72</u></td> <td><u>30</u> <u>60</u></td> <td><u>72</u> <u>72</u></td> </tr> <tr> <td>(71-73 PSI)</td> <td>(58-60 PSI)</td> <td>(71-73 PSI)</td> </tr> </table>		<u>72</u> <u>72</u>	<u>30</u> <u>60</u>	<u>72</u> <u>72</u>	(71-73 PSI)	(58-60 PSI)	(71-73 PSI)
<u>72</u> <u>72</u>	<u>30</u> <u>60</u>	<u>72</u> <u>72</u>					
(71-73 PSI)	(58-60 PSI)	(71-73 PSI)					

5. SERVICING ITEMS	
6. COMPLETE AIRCRAFT LOG ENTRIES INFORM MAINTENANCE	
7. AND DEFERRED ITEMS	

MEL'S.

2.3

Master SIGN-OFF Sheet

CV-440

N 2402Station LNO

Date _____

CHECK (Circle)

(A)

(B1)

B2

B3

B4

CARD No.

Date Completed

Mechanic

23. 1126/24/1824. 1136/24/1825. 9316/21/1826. 9346/25/1827. 9816/25/1828. 9826/25/18

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Revision: Original

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"A" Check.

"A" CHECK

CARD NO. CV-50

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CHECK # B1

CV-440

STATION Ln 5

DATE JUN 25 2018

N 2402

LOGBOOK

MECHANIC

1. Review logbook and enter on non-routine maintenance items record, each open pilot report.
2. Enter action taken on all pilot reports, component changes, modifications and type maintenance check performed. Sign-off by A&P Mechanic.
3. Inform Maintenance Office of deferred items. Sign off by A&P Mechanic.

CHECK #

Check Completed

JUN 25 2018

MECHANIC SIGNATURE

Ferreteria E. Implementos SAN FRANCISCO

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DATE JUN 25 2018 N 240R

"A" CHECK
CARD NO. CV-51
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CHECK B1 STATION LND

POWERPLANT Inspection

L MECHANIC R

1. Open exterior cowl and remove inner cowl side panels and dishpan.
2. Check engine for oil leaks and isolate source. Pay particular attention to rocker boxes, pushrod housings, plumbing and accessories. See Note and following page.
3. Check propellers for oil leaks, blades and engine nose section-mounted components and hardware for condition and security. Visually inspect area of prop blade shank and hub junction for evidence of corrosion.
4. Check all cylinders for cracks at spark plug boss (spark plugs installed).
5. Check for evidence of loose or leaking intake pipe.
6. Check exhaust stacks and clamps for integrity and attachment to cylinders.
7. Clean engines and cowls with Varsol spray. Check cowl assemblies for damage, defects, and security.
8. Check general QEC integrity with flashlight and mirror; particularly throttle linkage, oil cooler and cowl flap linkages, and fire detector elements. Check mixture control rod attachment bolt and nut for security and cotter pin. Change bolt if found to be loose.
9. Check carburetor adaptor to upper cowl for evidence of proper mating when cowl is closed.
10. Install inner cowl side panels and dishpan assuring a good seal with no gaps all around gill plates. Remove carburetor cover and secure "orange peel" cowl.

Note: If broken or loose cylinder flange attachment stud is found, refer to requirements of AD 56-06-02 for corrective action.

MECHANIC SIGNATURE

A & P NUMBER

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"A" CHECK
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PAGE 1 OF 1

CHECK # B,

CV-440

STATION L10

DATE JUN 25 2018 N 24012

AIRCRAFT EXTERIOR Inspection

MECHANIC

1. Perform visual exterior checks from ground to include control surfaces, fuel tank areas, nacelles, wings and fuselage for obvious damage and/or defects. Assure SRE covers are intact.
2. Check fuselage drain holes on bottom of fuselage.
3. Visually check tires, wheels, brakes, struts, gear doors, rods, pins and sliding actuator mechanism, including landing gear latch for open position.
4. Check C.B. containers (2) for proper pressure (gauge in green band). Containers located in LH-wing fillet.
5. Check tire pressure and enter pressures on Master Sign-off Card. Service to:
Main: 71-73 psi Nose: 58-60 psi
6. Check brake wear: pins not to be more than 1/4" below adjusting nut face.

MECHANIC SIGNATURE

"A" CHECK
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PAGE 1 OF 4

CHECK # B,

CV-440

STATION LRO

DATE JUN 25 2018 N 240R

AIRCRAFT INTERIOR INSPECTION

MECHANIC

1. Check air brake pressure in cockpit. (1800 psi min.)
2. Check crew emergency oxygen bottle pressure and security. Press: 1200 psi min. Bottle installed aft of F/O seat.
3. Check portable fire extinguishers - Cabin and Cockpit seals intact and mounting secure, and content.
4. Check spare bulbs and fuse kit, and Operations Manual on board.
5. Check cabin general, cockpit and cabin seatbelts, windows, doors, emergency exits and lavatory for condition and cleanliness.
6. Check first aid kit for condition and security.
7.
Deleted
8.
Deleted
9. Check forward coat compartment for spare seat belt and seat belt extension.
10. Check fire warning push-to-test, exterior lights, instrument lights, "Fasten Seat Belt" signs, and "No Smoking" signs.
11. Check equipment placards for security and legibility.

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A CHECK
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CHECK #

B₁

CV-440

STATION

L-10

DATE

JUN 25 2018

N

240R

AIRCRAFT INTERIOR - UNPRESSURIZED CARGO CABIN (N24DR)

MECHANIC

1. Check air brake pressure in cockpit. (1800 psi min.)
2. Check crew emergency oxygen bottle pressure and security. Press: 1200 psi min. Bottle installed aft of F/O seat.
3. Check portable fire extinguishers - Cabin and Cockpit seals intact and mounting secure, and content.
4. Check spare bulbs and fuse kit, and Operations Manual on board.
5. Check main cabin cargo compartment for general condition, cleanliness and security (includes bulkheads, flooring, lines, windows, doors, cargo security attachments, load/station, cargo limitations markings, tie down kit).
6. Check condition of floor fitting and fuselage frame side attachment fittings. Inspect condition of cargo straps for fraying, cuts or other defects. Check minimum number of cargo straps on board (20) rated at 5000 lbs. capacity.
7. Check the main cargo door hinges, door frame and fuselage frame for cracks, damage and security.
8. Check emergency exits, release mechanisms and seals for condition and security.
9. Check first aid kit for condition and security.
10. Check life vests for presence and security. One behind Captain's seat and two behind F/O's seat. Check date and replace if fewer than 30 days remain before expiration.

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"A" CHECK
CARD NO. CV-53
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CHECK # B1

CV-440

STATION lvDATE JUN 25 2018 N 240R

AIRCRAFT INTERIOR - UNPRESSURIZED CARGO CABIN (N24DR)

MECHANIC

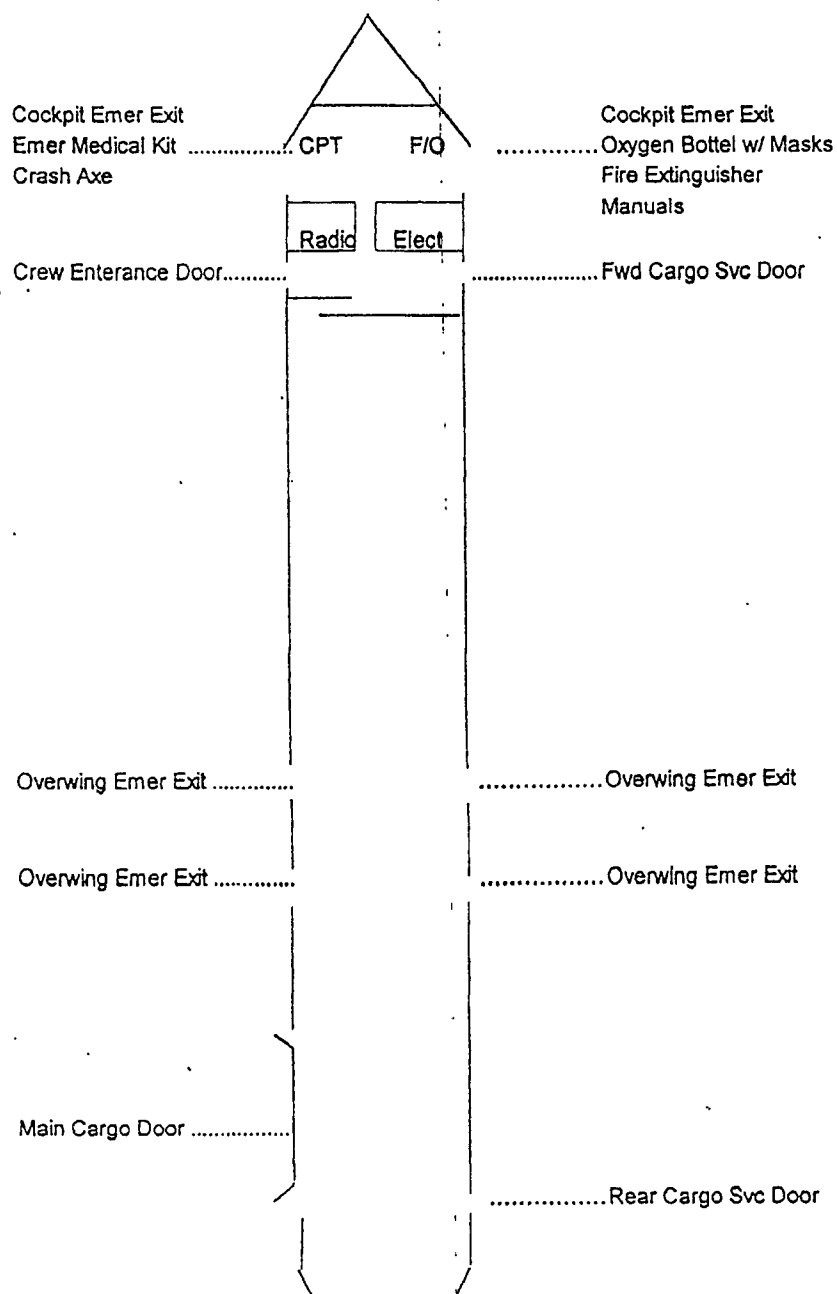
11. Check fire warning push-to-test, instrument lights,
cabin interior light operation and exterior lights.

12. Check crew entry (telescoping) ladder installation for
general condition and security of mounting with em-
phasis's on the two upper and the two lower attach-
ments.

CARD NO. CV 53

PAGE 4 of 4

Plan View - Cargo Configuration
CONVAIR 340/440 ...N24DR



X

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"A" CHECK
CARD NO. CV-54

CHECK # B1

PAGE 1 OF 1

CV-440

STATION 2.0

DATE JUN 25 2018 N 2402

SERVICING

MECHANIC

1. Service ADI Tank - CAP SECURE. (Fill to FULL)
Located at gravity fill door, RH wing fillet
2. SERVICE ENGINE OIL TANKS - CAPTS SECURE. Enter ~~quarts~~ ^{gals.}
added: #1 10 #2 5. Aero Shell W120-SAE 60
or equivalent.
3. Check and service turbo-compressor - CAP SECURE.
Located in RH nacelle. Oil Spec. Texamatic 9226.
4. Check and service hydraulic reservoir - CAP SECURE.
Located in cockpit behind Captain. Use MIL-H-5606
oil.
5. Drain fuel sumps and strainers. (Before Refueling)
Sump drains located in each nacelle - wing fairing
behind door. Strainer drains in each wheel well.
6. Wipe exposed landing gear shock strut surfaces with
MIL-H-5606 hydraulic fluid.
7. Check level of oil in nose gear axel bearing.
Replenish as necessary with MIL-L7870.
8. Check/replenish battery water level as required.

MECHANIC SIGNATURE

MAINTENANCE INSPECTION MANUAL

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DATE:

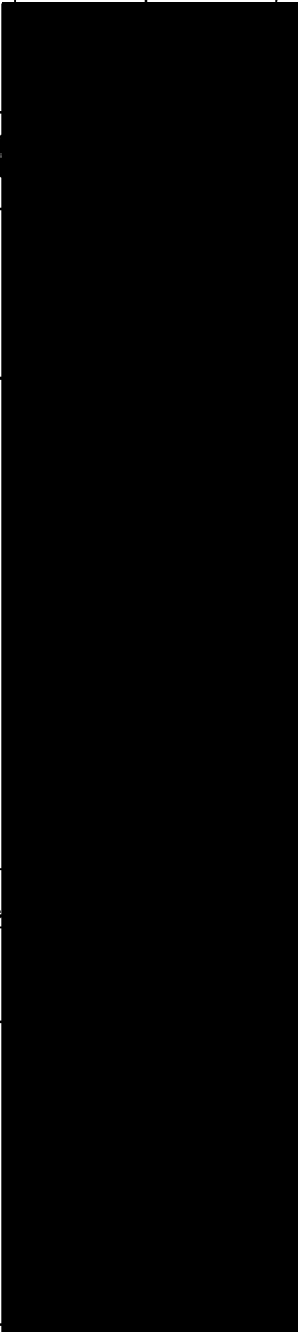
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"A" CHECK

CV-440 ONLY

CARD No. CV-57

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STATION: <u>L & R</u> DATE: <u>JUN 25 2018</u> N <u>240R</u>		
MECHANIC		
FUEL INTEGRITY CHECK		L R
1. Ensure external DC power supply is connected and on with 28 V.D.C. on Ship's Buss.		
2. Select #1 instrument & inverter switch -- ON, & 2 instrument inverter switch positioned to #1 inverter position with 115 V.A.C. $\pm$ 5 V. on A.C. Buss.		
3. Ensure: The following Controls/Switch positions/Conditions, are met. a. Mixture controls - IDLE CUT OFF b. Fuel tank shut off valves (L & R) - OPEN c. Fuel tank crossfeed valves - CLOSED		
4. a. Fuel booster pump (L H side) - ON, Observe 21-23 P.S.I. fuel pressure. b. Fuel tank shut off (L H side) - CLOSED c. Fuel booster pump (L H side) - OFF d. Fuel pressure - should stabilize at 15 P.S.I. <u>MINIMUM</u> e. Fuel pressure - should not drop more than 2 P.S.I. in 60 seconds from 15 P.S.I. f. Mixture control (L H) - AUTO RICH g. Fuel Pressure - should drop to 9-11 P.S.I. (fuel feed valve spring valve cracking pressure) h. Mixture control (L H) - Returned to IDLE-CUT OFF. i. Fuel tank shut off (L H) - Returned to OPEN j. Fuel pressure - should drop to 0 P.S.I. indicating valve opening.		
5. Perform (R H) side check using same exact procedures as followed in steps 4a thru 4j.		
6. If either side fails any step in a through g, perform the following steps: a. Fuel tank shut off - OPEN b. Fuel booster pump - ON c. Mixture control - AUTO RICH d. Throttle - exercised from IDLE to OPEN e. Fuel flow should go up to approximately 250 P.P.H. with throttling up, & down to approximately 50 P.P.H. with throttling down. f. Mixture control - Briskly to IDLE CUT OFF		

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"A" CHECK

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STATION: LHP DATE: JUN 25 2018 N 2402

MECHANIC

FUEL INTEGRITY CHECK

7. Crossfeed system check

- a. (L H) fuel booster pump ON 21-23 P.S.I.
- b. Crossfeed valve switch - OPEN
- c. (R H) side fuel pressure - should go to 21-23 P.S.I.
- d. (R H) fuel selector - CLOSED
- e. Crossfeed valve switch - CLOSED
- f. (L H) fuel booster pump - OFF
- g. (R H) fuel pressure - should stabilize at 15 P.S.I. just the same as an integrity check.
- h. Crossfeed valve switch - OPEN
- i. (R H) fuel pressure - should drop to zero with crossfeed valve openings.
- j. Return (R H) fuel tank shut off to - OPEN and crossfeed valve switch to CLOSED.
- k. Repeat steps a through j using (R H) fuel booster pump checking (L H) side.

L

R

8. Return #2 instrument and inverter switch to OFF

9. Return #1 instrument and inverter switch to OFF

10. Turn D. C. External power switch - OFF

11. Visually inspect ALL fuel shut off valves for proper positioning.

12. Visually inspect ALL tank crossfeed valves for proper positioning.

NOTE: If either side continues to fail:

- a. Substitute FIRE WALL SHUT OFF for fuel tank shut off in step b.

NOTE: If either side continues to fail using the fire wall shut off, fuel system integrity has failed in the accessory section. Record failure.

Mechanic Signature

Ferreteria E. Implementos SAN FRANCISCO

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CARD NO. CV-60
PAGE 1 OF 1

CHECK # B1

CV-440

STATION LND DATE JUN 25 2018 N 240R

LOGBOOK

1. Review logbook and enter on non-routine maintenance items record, each open pilot report.
2. Enter action taken on all pilot reports, component changes, modifications and type maintenance checks performed. Sign off by A & P mechanic.
3. Inform maintenance office of all open deferred items. Check sign off by A & P mechanic.

MECHANIC

CHECK # A, B1 CHECK COMPLETED JUN 25 2018

CARD NO. CV-61

PAGE 1 OF 3

CHECK # B₁

CV-440

STATION LnpDATE 5/8/78N 240R

POWERPLANT SERVICE

MECHANIC

LH RH

1. Perform cylinder compression check per subsequent pages of this card (Record on Special Items Card 931)
2. Reinstall spark plugs and torque to 300-360 inch/lbs. Install leads - torque to 180 inch/lbs.
- NOTE: On all B--- checks, replace with re-conditioned plugs.
3. Turn on fuel boost pumps and pressure check for leaks and all visible parting surfaces and lines for fuel stains and leaks.
4. Inspect carburetor derichment valve cover for fuel leakage with boost pump on.
 - a. If leakage exists, re-torque cover screws one time only to 20-30 inch/lbs. If leakage is not corrected, change derichment valve. Record torqueing on card for follow-up scheduling of derichment valve change
 - b. If derichment valve diaphragm leaks a second time, replace derichment valve (AD 56-03-02).

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Date: 06/26/2015

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CHECK # 131

CV-440

STATION 2nd DATE: 5/18/15 N 240R

POWERPLANT SERVICE

	MECHANIC	
	LH	RH
5.Remove, inspect, clean and reinstall water injection regulator screen. Check condition of strainer screen. Reinstall using new seals. Tighten and safety cover retaining bolts.		
6.Check all accessible nuts and bolts for tightness using appropriate hand tools. Avoid over-tightening gland nuts.		
7.Check freedom of firewall shut-off valves and controls.		
8.Remove, inspect, clean and install main oil screen and scavenge oil screens.		
9.Perform engine and propellers ground power run per Card 933 and record on Card 934. Make any special checks necessary to verify integrity of systems disturbed during check. Visually check for fluid leakage at all disturbed connections.		

CARD NO. CV-61

Page 2 of 3

CHECK # 31

CV-440

STATION 2nd DATE: 5/18/15 N 240R

POWERPLANT SERVICE

MECHANIC

LH

RH

5. Remove, inspect, clean and reinstall water injection regulator screen. Check condition of strainer screen. Reinstall using new seals. Tighten and safety cover retaining bolts.

6. Check all accessible nuts and bolts for tightness using appropriate hand tools. Avoid over-tightening gland nuts.

7. Check freedom of firewall shut-off valves and controls.

8. Remove, inspect, clean and install main oil screen and scavenge oil screens.

9. Perform engine and propellers ground power run per Card 933 and record on Card 934. Make any special checks necessary to verify integrity of systems disturbed during check. Visually check for fluid leakage at all disturbed connections.

3 of 3

CHECK # 131

CV-440

STATION 1 RDDATE: 6/21/88 N 240R

CYLINDER COMPRESSION CHECKING PROCEDURE (Record on Card 931).

- a. Remove the front sparkplug from all 18 cylinders.
- b. Turn the propeller of the engines being checked in the normal direction of rotation (clockwise as viewed from the rear) until the No. 1 cylinder is on the compression stroke. This can be determined by feeling pressure against the thumb when the thumb is held over the sparkplug hole on the cylinder while the engine is rotated. Back propeller off (opposite direction of rotation) a short distance so that intake valve is open.
- c. Using a differential type compression tester, such as a Compare Compression Tester Model D3 or Motorstat Compression Tester, set the regulator to apply 80 PSI air pressure to the Tester and insert in No. 1 cylinder through the front spark plug hole.

DO NOT STAND IN LINE WITH THE PROPELLER. THE AIR PRESSURE IN THE CYLINDER TENDS TO CAUSE ROTATION OF THE PROPELLER WHEN NOT ON TDC. IF PROPELLER ROTATION OCCURS, WAIT UNTIL MOVEMENT STOPS AND AIR CAN BE HEARD PASSING THROUGH THE INTAKE VALVE.

- d. Very slowly turn the propeller in the direction of normal rotation. The closing of intake valve of the No. 1 cylinder (IC Col. On form) will be indicated by an abrupt pressure rise on the gauge of the compression tester. The valve closing can also be felt by the mechanic turning the propeller as the air pressure will increase the resistance to turning. Immediately stop rotating the propeller when the tester indicates maximum pressure and hold the propeller.
- e. Note amount of compression loss (differential pressure as read on the Compare gauge) and record on the cylinder compression form, Card No. CV-931.

NOTE: Compression is to be taken only when checking the intake valve closing sequence.

- f. After compression loss has been noted, remove compression tester from cylinder. Do not allow propeller to rotate. Insert tester in next cylinder as indicated in the intake valve column. The intake valve should be open, but use caution that the propeller does not rotate.
- g. Repeat the process in order of the listed cylinder positions.
- h. The maximum allowable pressure loss is 35% (28 psi) or a pressure reading of 52 psi. Any greater pressure loss will require the cylinder to be changed. Normal pressure readings will be 60 - 70 psi.

Mechanic [REDACTED]

CARD NO. CV-62

Page: 1 of 1

CHECK # B,

CV-440

STATION L 2-D DATE: 5/18/18 N 240R

INTERIOR ITEMS

MECHANIC

1. Check for cleanliness between windshield panels and clean as required.
2. Check temporary placards for legibility and removed those not applicable
3. Check operation and condition of emergency exits.
4. Check magnetic compass mounting, check for air bubbles and check calibration.
(Due Date 2 years.)
5. Clean instrument panel glasses.
6. Check condition of microphones, cords plugs.
7. Check condition of headsets, caps, bands, cords, plugs
8. Check condition of cabin handset unit, cord and plugs.
9. Establish two-way communications with ground station and check volume controls, speaker muting, audio legibility, squelch.
10. Life Vests. If not installed mark N/A. Check:
 - a. Proper number of vests is on board;
 - b. Life vest card for overhaul due date;
 - c. Vest is sealed in clear plastic bag;
 - d. Inspection card is packed inside plastic bag with vest and is visible and readable.

NOTE: Remove from service if the time remaining does not extend to next B Check.

Mechanic: 

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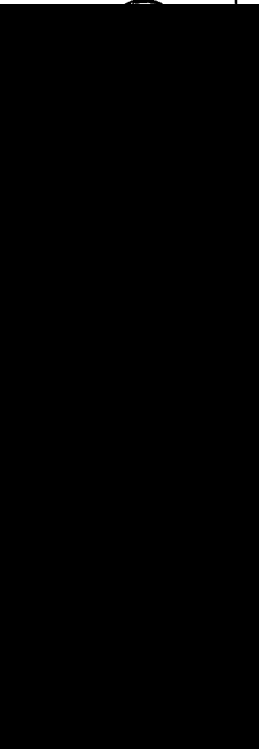
CHECK # B,

CV-440

STATION L10 DATE: 5/19/18 N 2402

ELECTRICAL/INSTRUMENT/EXTERIOR ITEMS

MECHANIC

1. Check operations of position lights and rot. beacon.	
2. Check and drain pitot drain system in nose wheel well.	
3. Check bus voltage in cockpit. With emergency load on, battery voltage	
4. Lights. (1) Check operation of cabin general lights. (2) Check operation of emergency exit lights.	
5. Check batteries - add water if required, clean batteries, check specific	
6. Visually inspect all cockpit and cabin windows (AD-80-08-03). Inspect windows for vinyl separation, cracks, rock chips, corrosion, and scratches. REF: S.B. 640 (34OD) 53-5B.	
7. Perform walk-around inspection of external antennas.	

Mechanic

Signature

DATE:

CARD NO. CV-64

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CHECK # 3,

CV-440

STATION 210DATE: 5/21/15 N 2407

SERVICING ITEMS - WING

MECHANIC

1. Clean ADI Pump Screen (in plug on ADI pump)

NOTE: Assure "Water Injection" switch and circuit breakers are "OFF" and tagged.

- a. Drain ADI tank into a container which is bonded to the airplane.
- b. Remove screen plug assembly from the ADI pump.
- c. Clean the screen and check condition. Replace if required (V51663-RB8575-1) Gasket P/N RA8523
- d. Install screen plug in pump. Tighten and safety
- e. Reinstall "Water Injection" circuit breakers.

2. Fill ADI tank and visually check plug for leaks.

3. Clean main fuel strainer: (Gasket: P/N V75361-RA8523)

- a. Close main fuel valve
- b. Drain fuel strainer into a container bonded to the aircraft.
- c. Cut safety wire, loosen wing nut and remove screen from the
- d. Wash screen in clean fuel and dry. Check screen for damage and that all sediment is removed from the inside.
- e. Replace gasket on the bottom cover of strainer.
- f. Install screen in strainer and secure wing nut. Safety using .040 inch monel wire.
- g. Open main fuel valve; operate boost pump and check the strainer for leaks.

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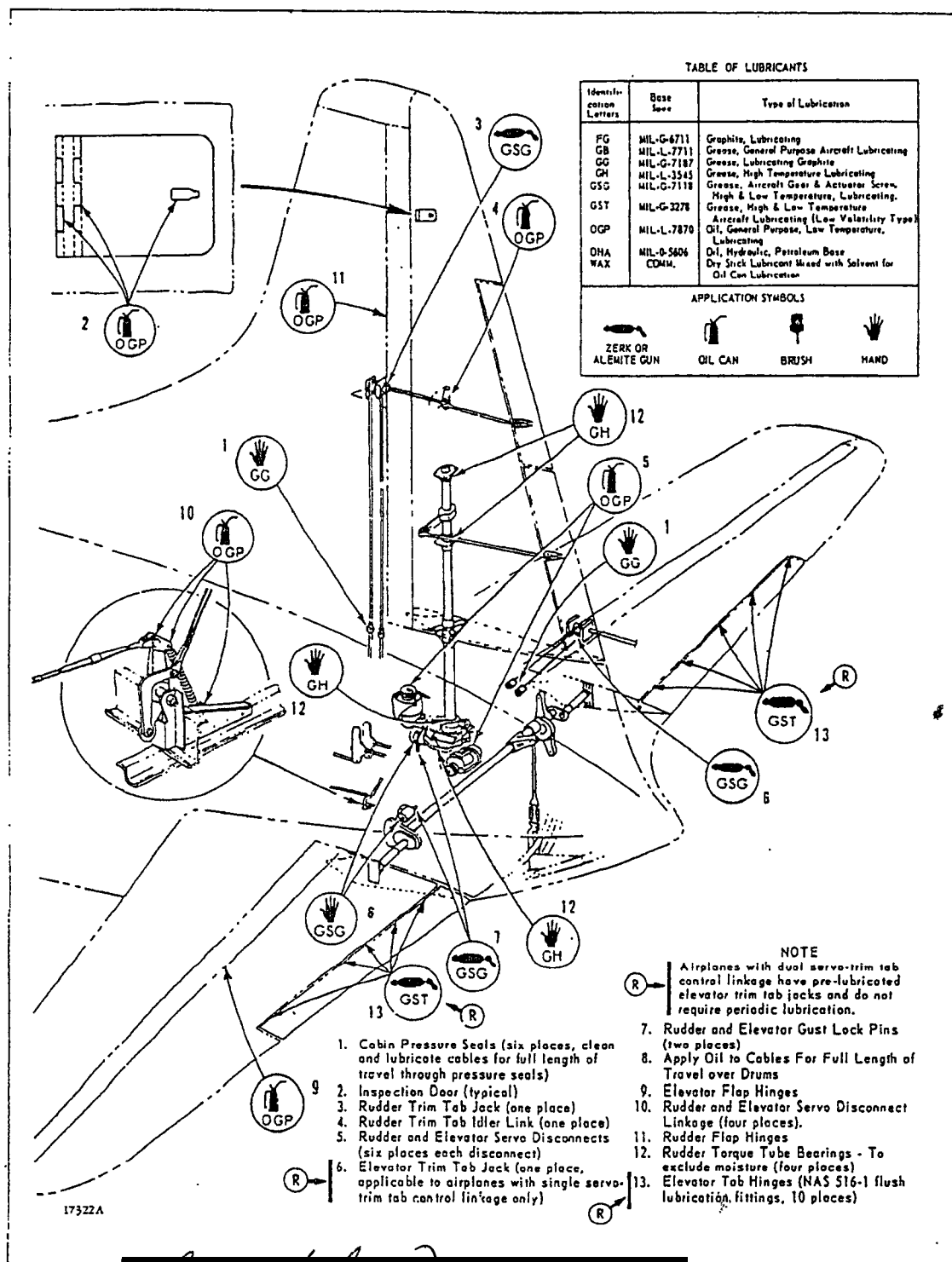
CHECK # B1

CV-440

STATION 1210DATE 5/21/11N 24DR

FUSELAGE SERVICING ITEMS

	MECHANIC
1. Clean Air Conditioning system air filter screen. (if installed) a. Remove screen assembly from duct box adjacent to primary heat exchanger. b. Clean screen of lint, dirt build-up. c. Examine screen and O-ring seal for damage. Replace if required (Screen P/N 340-3390613, O-ring P/N AN6227-73 or MS28775-446). d. Reinstall screen in duct box and secure in place.	N/A N/A N/A N/A
2. Check expansion turbine oil level. Add Texamatic 9226 oil if required. (if installed)	N/A
3. Check ground blower oil level. Add Texamatic 9226 oil if required. (if installed)	N/A
4. Check hydraulic accumulator for security and proper air charge (1000 psi).	
5. Check operation and condition of Emergency Exit doors and latches.	
6. Lubricate main and nose landing gear in accordance with CV-106 pages 2, 3, and 4.	
7. Lubricate flap rollers in accordance with CV-104 pages 2 and 3.	
8. Lubricate empennage section per Figure 1.	



CARD NO. CV-70

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CHECK # 131

CV-440

STATION 200 DATE: 6/21/19 N 24012

POWERPLANT INSPECTION

MECHANIC

LH

RH

The area shall be visually inspected completed, including all visible structures, systems, electrical, plumbing components, and attachments for condition, damage, security, wear, evidence of fluid leaks, cracks, corrosion loose or missing fasteners, and propeller installation, with emphasis on items listed.

1. Cowling

- a. Firewall panel. Cam-locs are to be intact, of proper size and security attached.
- b. Engine cowling sections (orange peel) for burned or charred areas, condition and security of seals. Latches for wear damage, distortion and damage. Any cracks or damage in the skin or attachment areas of the cowl latches must be repaired. Cowl hinges, hinge bolts and deflectors. The cowl leading edge must be smooth and dent free.
- c. Cowl flaps, attachments and actuating mechanism
- d. Carburetor air scoop for loose or popped rivets check the door for free movement and security. Check the door actuating mechanism installation for binding.
- e. Oil cooler scoop for debris, distortion and general condition.
- f. Oil cooler flap (door) for proper rigging, chafing, worn, loose or broken hinges and hinge bolts. Oil cooler flap actuator for security, condition, attachment, connection & appearance.
- g. Wing ice light in the outboard cowl section for condition, security and cleanliness.

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CHECK # 131

CV-440

STATION L✓ DATE: 6/2/18 N 240R

POWERPLANT INSPECTION

MECHANIC

LH

RH

The area shall be visually inspected completed, including all visible structures, systems, electrical, plumbing components, and attachments for condition, damage security, wear, evidence of fluid leaks, cracks, corrosion loose or missing fasteners, and propeller installation, with emphasis on items listed.

2. Powerplant - (Rear Section)

a. Engine fire detectors.

b. Nacelle firewall, zone panels, diaphragm and zone seals, latching devices for retaining

Mechanic 0

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Page: 1 of 3

CHECK # B₁

CV-440

STATION L-20 DATE: 6/22/15 N 240R

POWERPLANT SERVICE

MECHANIC	
LH	RH

1. Clean top of carburetor inlet and around air impact tubes using clean cloth and varsol. Reinstall protective cover top of the carburetor.
2. Remove and clean carburetor fuel inlet strainer. Check condition of strainer screen. Reinstall using new seals. Tighten and safety cover retaining bolt.
3. Check carburetor mixture control latch for wear and condition.
4. Remove and clean water regulator screen. Check condition of strainer. Reinstall using new seals. Tighten and safety cover retaining bolts.
5. Wrench check, for tightness, all line fittings on the Primary Air Compressor (If Installed).
(No. 2 Engine) - check all lines connected to the compressor and those routed in this area for chafing, connection, deterioration, bends, kinks or twists.
Examine the compressor scroll, ducts and housing for condition and oil leaks.
Check electrical wiring solenoid valve, temperature bulb, chafing, damage.
6. Lubricate cowling and nacelle per Figure 1, Pages 2 and 3.

Mechanic 
Includes CV-71 p1^B

CARD NO. CV-72

Page: 1 of 1

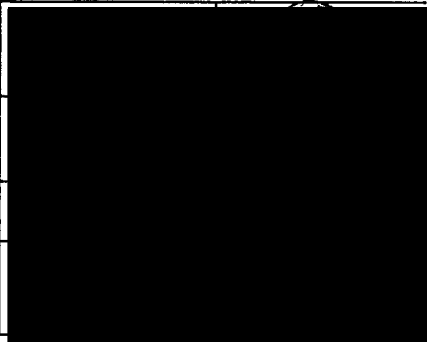
CHECK # B1

CV-440

STATION 2A7DATE: 6/22/18 N 240h

ELECTRICAL - SERVICING ITEMS

MECHANIC

- | | |
|--|---|
| 1. Remove panels from inverter compartment located under RH floor opposite main entrance door. |  |
| 2. Check installations and exposed wiring for security and obvious damage in inverter compartment. | |
| 3. Clean out all debris in inverter compartment. | |
| 4. Install and/or close main "J" box covers and panels in interior of aircraft including propeller synchronizer and inverter compartment panels. | |

Mecha 

CARD NO. CV-74
Page: 1 of 5

CHECK # 131

CV-440

STATION L-7 DATE: 6/13/18 N 24072

CONTROLS - SERVICE ITEMS

MECHANIC

1. Check throttle reversing mechanism for smooth operation.

With Tee handles stowed, throttles should not be able to be pulled back past the "closed" position. Pull aft on Tee handles and throttles should be able to be moved into "Reverse" position. If adjustment is necessary, refer to:

CV-440 Maintenance Manual, Sec. 8.

2. Check and lubricate pedestal controls per Figure 1.

3. Check and lubricate flight compartment seats and yoke controls per Figure 2.

4. Check and lubricate nose section controls and windows per Figure 3 & 4.

NOTE: Pay particular attention to brake control valve and linkage and sliding window.

Mechanics

Includes CV-74 pl-5

CHECK # 131

CV-440

STATION LAP DATE: 6/15/18 N 2402

COCKPIT AND FLIGHT DECK - INSPECTION

MECHANIC

The area shall be visually inspected completely, including all visible structures, systems, electrical, plumbing components, and attachments for condition, damage, security, wear, evidence of fluid leaks, cracks, corrosion, loose or missing fasteners, area appearance, and proper installation, with emphasis on items listed.

1. Visually inspect, using a 8X glass, all visible areas of the cockpit DV window casting paying particular attention to the lower left and right hand corner of the casting. (AD 68-07-01) Use form MM P 603.
If a crack is found, enter it on a non-routine maintenance item form and forward to the Director of Maintenance for repair disposition per AD.
2. Windshield, DV windows and sliding windows. Check for delamination, evidence of overheat and air leakage.
Check operation of DV windows and sliding windows.
For window service limits, refer to Convair S/B 53-58.
3. Cockpit seats for condition, secure on tracks. Operate each seat to check operation and positive locking. Visible seat structure for cracks and failure. Seat belts secure, for wear, FAA ID tag installed, buckle operation. Shoulder harness condition, inertia reel operation.
4. Flight controls, including trim tabs Operate through full range of travel and check for smooth operation and no restriction.
5. Operate power plant controls to check for smooth operation, no restriction. (During power plant inspect.)
6. Main and overhead instrument panels. Instrument lenses clean and secure, and limit markings in good condition. Placards legible. Switch knobs and handles. Magnetic compass lens clean and no evidence of leaks.
7. Elec. Control panels, C.B. panel placards legible.
8. Main oxygen bottle installation, bottle pressure 1200 psi. Oxygen masks clean and hose in good condition.
9. Operate hydraulic depressurization control, check for smooth operation. Return handle to "PRESSURE" position.
10. Check fire extinguisher control panel, switch guards down and light lenses secure and legible.

CARD NO. CV-75

Page: 2 of 2

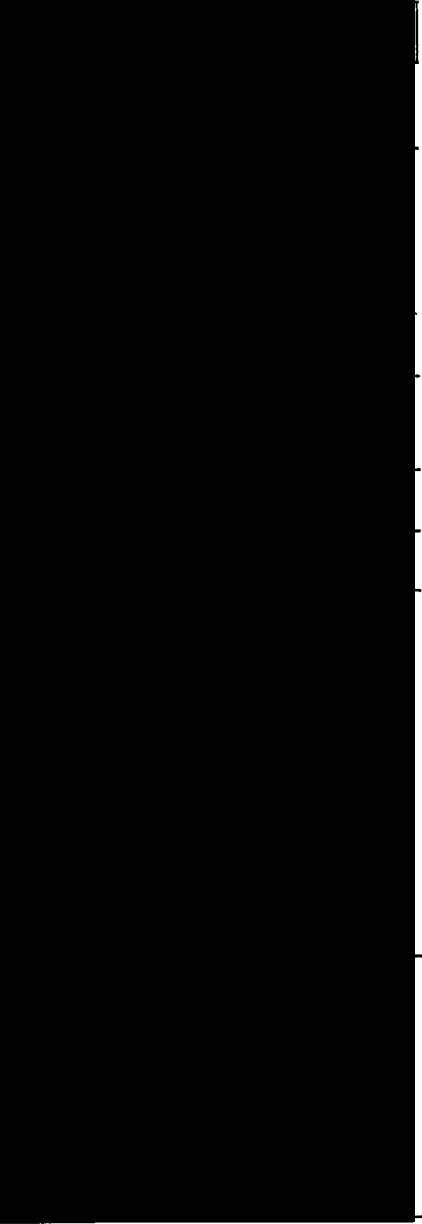
CHECK # 131

CV-440

STATION L-7DATE: 6/15/18N 240R

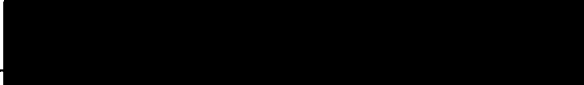
COCKPIT AND FLIGHT DECK - INSPECTION

MECHANIC

- | | |
|---|--|
| 11. Air conditioning controls, manual dump handle. |  |
| 12. Operate No. 1 and No. 2 "ENG FLUID OFF" pull handles.
Check for smooth operation. Return to normal position | |
| 13. Check cockpit emergency equipment:
a. Cockpit window emergency escape rope.
b. Halon 1211 Fire Extinguisher seal intact and visual indicator shows full charge.
c. Life vests - Pilot, F/O, ACM, (3 installed).
d. Crash Axe installed. | |
| 14. Check miscellaneous equipment - ashtrays, air vents, flight kit stowage frames, check lists, cup holders, sun visors, logbook holder. | |
| 15. Cockpit entrance door and latch. | |
| 16. Floor panels and covering, overhead trim. | |
| 17. Check the following handles, switches and switch guards are safe tied using .020 inch copper wire:

a. Emergency Brake Control.
b. Emergency L/G Uplock Release.
c. Firewall Shut-off Handles.
d. Fire Extinguisher Discharge Switch.
e. Emergency Compressor Disconnect.
f. Cabin Air and pressure Control in "NORMAL".
g. Engine Primer Switch. | |
| 18. Assure red background around following circuit breakers is clean and in good condition:

a. Fuel S/O valve.
b. Prop Feather - LH and RH.
c. Fuel Boost Pump - LH and RH.
d. Generator Field Toggle. | |

Mechanic 

CARD NO. CV-76
Page: 3 of 3

CHECK # B1

CV-440

STATION Lmo DATE: 6/15/18 N 2402

INTERIOR INSPECTION

MECHANIC

Visually check main cabin for general condition, security, unacceptable appearance and damage, with emphasis on the following:

1. Emergency equipment:

- a. Cabin fire extinguishers (2) Forward and Aft, seals intact, no leaks, and visual indicator shows full charge.
Halon 1211 type fire extinguishers.
- b. Crew's portable oxygen cylinder for condition, hydrostatic test date and condition of mounting bracket.
- c. Emergency equipment placards in place.
- d. Emergency escape rope (cockpit) in place.
- e. Determine that sufficient tie-down equipment is provided. Check condition of cargo tie-down mechanisms for integrity.
- f. Crew smoke masks and portable bottle oxygen mask. Remove mask from mount. Clean mask with soft bristle brush or toweling. Rinse mask with water (sponge or cloth moistened with water). Wipe off with lint free cloth. Allow to dry in air. Inspect the following components for each mask and ensure that they are in serviceable condition; mask, headband, regulator, hose. Remount mask.

Mechanic AA

CHECK # B1

CV-440

STATION 210 DATE 5/10/18 N 240R

INSTRUMENT SERVICE ITEMS

MECHANIC

When any instrument connected to the static system is replaced or when a static line is loosened or disconnected (except for system draining), the system must be pressure checked for detection of leaks as follows: For detailed instructions, see CONVAIR MAINTENANCE MANUAL ZM-440-012 Sec. 18.2

1. Drain main static system by removing caps. Drains are located behind the instrument panels and at FS-140 at lower fuselage access panel. Reinstall caps securely.

2. Drain alternate static system drain at FS-140 and 530.
Reinstall caps securely.

3. Check and clean static system vents on left and right sides of fuselage at station 900 if necessary. Check pitot tube drain holes for obstruction.

NOTE: Use only small copper wire to clean holes.

CAUTION: Do not enlarge holes.

ELECTRICAL SERVICE ITEMS

1. Check that inverter spare current limiters are installed in DC power distribution box located behind RH sidewall of forward cargo compartment.

2. Check Edison Engine Fire Detectors for condition, security, and wires connected properly.

NOTE: If necessary to replace a detector, see that the plus (+) terminals of any two adjacent detectors are not wired together.

3. Remove cover plate from main landing gear LH and RH downlock warning switch housings. Check for moisture and/or corrosion. If found, replace switch (es) located on gear drag struts.

Mech

CARD NO. CV-78

PAGE 1 OF 1

CHECK # B1

CV-440

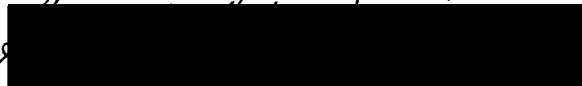
STATION 1-70 DATE 5/10/15 N 240R

RADIO SERVICE ITEMS

MECHANIC

- | |
|--|
| 1. Check anti-static wicks for condition and length; 4-1/2" length, 1" feather. |
| 2. Check each radio antenna for condition and security.
Check for corrosion, cracks, damage, and tightness of mounting. |
| 3. Check radio junction boxes for condition and security.
Check fittings for tightness, corrosion, and damage.
Check any exposed wires for chaffing and burns. |
| 4. RESERVED |
| 5.a. Check security and general condition of emergency locator transmitter located in upper aft cargo compartment.

b. Check emergency locator antenna for condition and security. Check for corrosion, damage, cracks, and tightness of mount. |
| 6. Check radar antenna for condition and security. Check for corrosion, cracks, damage, and security of mounting.
Check radome for condition. The radome is subject to damage from impact, lightning strike and environmental exposure. Minor damage can be carried out satisfactorily in the field by following the guidelines in CONVAIR STRUCTURAL REPAIR MANUAL ZM-440-013, appendix II par. B20 page 192A-193. |
| 7. Check all communication fixed equipment. |
| 8. Check all navigation fixed equipment. |

Mechanic 

CARD No. CV-110

PAGE 1 of 1

CHECK # 131

CV-440

STATION LNO

DATE 6/24/15

N 240R

POWERPLANT - FINAL ITEMS

1. Check installation of any units replace.
2. Check controls for proper safeties.
3. Repair items completed, and signed for.
4. Pilot items completed, and signed for.
5. Final inspection items completed.
6. Final inspection of cowling for security after closing.

MECHANIC

Mechanic

"B" CHECK

CARD No. CV-111

PAGE 1 of 1

CHECK # B1

CV-410

STATION L20DATE 6/24/18N 2402

FUSELAGE, TAIL - CLOSE-UP ALL PHASES

MECHANIC

1. Install Roylyn caps on toilet dump, water fill, and service nipple.
Position valve to "Close door on bottom of fuselage.

NA

2. Check that panels, "J" box covers, and interior doors are closed
before closing the nose tunnel, cargo, heater hydraulic, tail
compartment doors.

3. Check that all access doors are closed on tail surfaces.

Mechanic

CARD NO. CV-112
PAGE 1 OF 1

CHECK # B1

CV-440

STATION h 0

DATE 6/24/16 N 2402

AIRCRAFT CLOSE-UP

ALL PHASES

INSPECTOR

This inspection is intended as a walk-around visual safety check to assure all access covers, inspection covers, doors, panels, floorboards, and "J" box covers are installed, that tools, rags, loose hardware, etc., have been removed from cabin, cockpit, cargo compartments and wheel wells; that equipment and furnishings have been secured and also as a check for cleanliness.

1. Tail
2. Fuselage, nose gear well and nose gear. Ceiling pressure door latched.
3. LH wing, nacelle and LH main gear.
4. RH wing, nacelle and RH main gear.
5. Cargo compartment - forward upper, lower aft.
6. Cockpit area, entry, COB, and coat compartment.
7. Cabin - inspect for cleanliness and general appearance
8. Check each propeller blade for paint overspray or smudge. All paint must be removed.
9. Review pilot complaints and assure all have been answered and corrective action taken.
10. Review all scheduled check cards to assure that no cards are missing and that each item contains the necessary signatures. Check that all repair items are processed.
11. Final inspection items, if any, completed.
12. Review all non-routine maintenance item sheets to assure none are missing and each item has the required signatures.

MECHANIC SIGNATURE
A & P NUMBER

Revision: Original

Ferreteria E. Implementos SAN FRANCISCO

CARD NO. CV-113
PAGE 1 OF 1CHECK # B1

CV-440

STATION LVPDATE 6/24/83 N 240BUNPRESSURIZED CARGO CONFIG. INSPECTION (N24DR)

MECHANIC

The Cabin Cargo Compartment shall be visually inspected completely, including visible structures, systems, electrical, plumbing, components, and attachments for condition, damage, security, wear, evidence of fluid leaks, cracks, corrosion, loose or missing fasteners, and proper installation, with emphasis on items listed.

1. Check unpressurized cargo door operation through full open-close cycle. Door should operate freely with no binding. Check operation of door warning light.
2. Check cargo door system for leaks: actuation cylinder, selector valve, associated fittings and lines.
3. Check cargo door hinges, door frame, and fuselage frame for cracks, damage and security.
4. Inspect main Cabin Cargo Compartment for general condition, cleanliness and security (includes bulkheads, flooring, lines, windows, doors, cargo security attachments, load/station, cargo limitation markings, tie-down kit).
5. Check Cargo tie-down and restraining net.
6. Check walls, ceiling and floor for punctures, tears, and security. Remove temporary patches and accomplish permanent repair.
7. Check Cabin Cargo Compartment smoke detector units for operational condition and security.
8. Check Cabin Compartment lights operation.

MECHANIC: 

Revision: Original

Check #: B1
CV-440CYLINDER COMPRESSION
R-2800A/C #: 2402Sta: LNDDate 6/21/15Engine No. 02

Cyl No.	Compression Reading
1	72
12	78
5	70
16	75
9	70
2	75
13	70
6	70
17	72
10	76
3	72
14	70 75
7	72
18	71
11	78
4	76
15	72
8	72

Cold

Engine No. 1

Cyl No.	Compression Reading
1	70
12	70
5	70
16	80
9	78
2	75
13	74
6	68
17	66
10	80
3	78
14	68
7	75
18	74
11	76
4	72
15	70
8	75

Cold

NOTE: See page 506, Card No. CV-61, for compression checking procedure.

Mechanic _____ # _____

Ferreteria E. Implementos SAN FRANCISCO

Page: 624

CARD NO. CV-934

PAGE 1 OF 3

CHECK # Bi

CV-440

STATION L P DATE 6/25/8 N 7402

CV-440 ENGINE GROUND RUN-UP CHECK

(Refer to Eng. Start, Grnd. Check, and Stopping Proced. on Card 933)

COCKPIT CHECK

PREPARE FOR START-UP

START-UP

LH

RH

OIL PRESSURE

95

100

FUEL PRESSURE

23

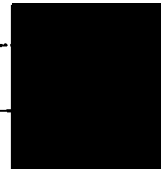
23

HYDRAULIC PRESSURE

3000-

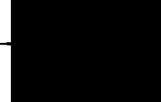
WARM-UP (1100 FPM - AUTO RICH)

CHECK MAG CUT-OFF



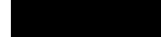


CHECK CARB HEAT





CHECK COWL FLAPS





GENERATOR

NO LOAD VOLTAGE

.1 28 28 .1

LOADMETER

.1 .1

CHECK PARALLELING

CV-240,340,440

MAINTENANCE INSPECTION MANUAL

DATE:

CARD NO. CV-934

PAGE 2 OF 3

CHECK # 131

CV-440

STATION 4-7 DATE 6/25/15 N 240RCV-440 ENGINE-GROUND RUN-UP CHECKENGINE & PROP CHECK - 40 C MIN. OIL TEMPERATURE

PROPELLER CHECK (1700 RPM)

LH

RH

PROP REVERSE CHECK
(RECORD READING)13001300

MAP REF 30	RPM	BMEP	PRESSURE		TEMPERATURE			LH	MAG. DROP		RH	FUEL FLOW
			OIL	FUEL	OIL	CYL.	CARB.	BMEP	RPM	BMEP	RPM	
01.	22	115	85	23	15	180	23	115	50	108	10	600
02.	22	112	85	23	15	180	22	110	75	8	75	620

AUTO-FEATHER CHECK

ADI

On B Check and higher Pre-Check run, if necessary for troubleshooting, accomplish ignition analyzer check per Bendix Ignition Analyzer Manual.

List all special engine run checks accomplished on this check:

Card No. or
Check ItemAccomplished By
LH RH

1. _____
2. _____
3. _____

_____	_____
_____	_____
_____	_____

CHECK # B1

CV 40

STATION W0 DATE 6/23/15 N 240ACV-440 ENGINE GROUND RUN-UP CHECK

Note: This check is not required unless the inspector determines that it is necessary. If Take-off power check accomplished, record:

#1. MAP: 59.5" RPM: BMEP: Fuel Flow: #2. MAP: 59.5" RPM: BMEP: Fuel Flow:

Clear each engine for 10 seconds at 38" MAP if over 10 minutes since last clearing.

Assure Cylinder Head Temperature does not exceed 200 degrees C

SHIFT DOWNSECURE COCKPIT FOR MAINTENANCE CHECK. *W/A*Mechanic Authorized INSP

BARKER AEROMOTIVE, INC.

STATION _____ DATE _____ A/C NO. 2402 T.A.T. _____ CARD NO. _____
DISCREPANCY WORK SHEET

M-22

Item #	Discrepancy	Date	Corrective Action	Date
	BMEP MARKINGS		PLACE CB IS	5/14/18
			LIMIT MARKS ON	
			L/H GLASS	
			Old PN	Old SN
			New PN	New SN
Discovered by:			Corrected By: [REDACTED]	By:

Item #	Discrepancy	Date	Corrective Action	Date
	C642 FZAP markings			
			Old PN	Old SN
			New PN	New SN
Discovered by:			Corrected [REDACTED]	Inspected By:

Item #	Discrepancy	Date	Corrective Action	Date
	NOSE TIRES WORN		FOR FROM CV 939	5/11/18
			Old PN	Old SN
			New PN	New SN
Discovered by:			Corrected By: [REDACTED]	

Item #	Discrepancy	Date	Corrective Action	Date
	#1 COM XTR		EXCHANGE UNIT	5/1/18
			Old PN	Old SN
			New PN	New SN 55170
Discovered by:			Corrected [REDACTED]	

BARKER AEROMOTIVE, INC.

STATION _____ DATE _____ A/C NO. _____ T.A.T. _____ CARD NO. _____
DISCREPANCY WORK SHEET

M-22

Item #	Discrepancy	Date	Corrective Action	Date
ELG	FIRE BOTTLES		855 form cv 205	5/9/18
			Old PN 8703+1	Old SN 870351
			New PN 441193	New SN 10246
Discovered by:			Corrected By:	Inspected By:

Item #	Discrepancy	Date	Corrective Action	Date
			Old PN	Old SN
			New PN	New SN
Discovered by:			Corrected By:	Inspected By:

Item #	Discrepancy	Date	Corrective Action	Date
			Old PN	Old SN
			New PN	New SN
Discovered by:			Corrected By:	Inspected By:

Item #	Discrepancy	Date	Corrective Action	Date
			Old PN	Old SN
			New PN	New SN
Discovered by:			Corrected By:	Inspected By: