



AV英语入门之三

飞机AV专业入门.1-03

林再兴

课程目标

- 本教材是针对**AV维修专业入门**的简述，
 - 使学员熟悉**电子维修英语**。



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Contents目录



- * Material characteristics
- * Maintenance tasks
- * Notices and memos
- * Technical contexts
- * Looking forward

B4 : Technical contexts 技术课文



*From work
instructions to flowing
paragraphs*

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电子专业入门

B4 : Technical contexts

中阶段第四课 :技术课文

Find out what you should do (Hint: action verbs)



CATHAY PACIFIC



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ZONE 300



APU - FUEL INLET FILTER

- 1 REMOVE APU FUEL INLET HEATER REF. MM 49-31-02 P. 4XX
- 2 REPLACE SERVICEABLE FUEL INLET FILTER
REF. MM 49-31-02 P. 4XX
- 3 CARRY OUT LEAK CHECK



DEFECTS :

BULK CARGO -STA 1980 RBL 25 FOUND CRACKED

RECTIFICATION:



Defect description – SM

- FWD CARGO COMPT DOOR INTERIOR FOUND SLIGHTLY DENT MARK AT LOWER PORTION (TWO LOCATIONS) AS MARKED.
- RHW #4 SPOILER PANEL BOTH I/B AND O/B T/E RUB PAD FOUND MISSING OR DETACHED.
- #3 ENG LH C DUCT LOWER FWD ATT SEAL CHANNEL DEFORMED



Defect description – FA

- SADD 127 – # 5 SLAT LH T/E UPPER SKIN DAMAGE, INTERIM REPAIR C/O IAW DDO A57-032. RE-INSP REQ EVERY A CHK. PERMANENT REPAIR AT NEXT FULL C CHK.
- DRS 7L – SLAT #2 LHS STRIP FAIRING DAMAGED.
- BULK CAR NETS FOUND TORN AT FR 67 AND FR 690 R/H
- AFT CAR COMPT PARTITION PNL 152 FOUND PREVIOUS REPAIR IN POOR CONDITION.

Defect description – SB

- **COCKPIT – CO-PILOT SEAT HARNESS FOUND TORN.**
- **A. H. I. D. S. ITEM 1 – NO ADJUSTMENT POSSIBLE ON THE OBS SEAT RH ARMREST. SEE IPC 23-11-41 P. 9**
- **COCKPIT – CO-PILOT SEAT PAN FOUND CORRODED AS MARKED.**

Defect description – AV

- **APU BATT COOLING DUCT DAMAGED.**
- **CAB – L2 DOOR OVERHEAD CEILING LT INOP.**
- **PLS REMOVE APU (S/N R190) LCIT PROBE FOR AIB BOROSCOPE INSPECTION. REFIT THE SAME AFTER INSPECTION DONE AND C/O OPERATION CHK.**
- **SADD-154 – GREEN ELECTRIC PUMP WAS DEACTIVATED AS PER AD96-261-053. C/B MUST BE PULLED AND COLLARED BEFORE EACH FLT.**

Defect description – A/C

- **# 2 ENG EXHAUST NOZZLE STRUT FOUND CRACKED AT BOLT MOUNTING AREA.**
- **# 1, 2, & # 4 ENG PYLON INTERIOR BEARING SEALANT DETACHED.**
- **# 2 ENG EXHAUST NOZZLE AFT UPP POSN 2EA ATT DAMPERS CRACKED AS MARKED. (12 O'CLK REAR POSN)**
- **APU MUFFLER FWD END DRAIN CONNECTING TUBE FOUND TORN.**

Task record

*Simple
sentence*

Subject

(...)

*Verb
(passive)*

(...)

- A component or defect
- Characteristic or location
- The repair task (action)
- Technical reference

The no.2R main door seal was replaced.

Location

component

action

Task logs

<i>Subject</i>	<i>(Location)</i>	<i>Verb</i>	<i>(Ref.)</i>
The no.2R main door seal		was replaced and checked.	
Loose rivets in the right wing aileron shroud, rib 21		were tightened.	
Frayed cables at right aileron		were refitted and torqued.	
Pilot static system leak check		was carried out.	
Corrosion found in lower fuselage at station 425, stringer 46R		was visually checked and then removed as per SRM 53-xx-xx.	

Practice -- Report what you did last week

Subject

(Location)

Verb

(Ref.)

Safety precautions

2-sentence structure

Recommendation

*Consequence
or remedy*

- How to protect yourself?
- Why? What happens if recommendation is not followed or what to do?

- Use the approved hand and eye protection when you apply the sealant.
- It is a skin irritant.

Safety precautions

- Obey the manufacturer's instructions when you use cleaning agents, adhesives, sealants and paints.
 - These materials are dangerous.
-
- Use an isolation transformer when you use main electric power on the aircraft. You must only use power tools and equipment that are explosion-proof.
 - (The consequence is an explosion)

Safety precautions

- Do not put compressed gas in contact with your skin.
 - The gas can go through the skin and make bubbles in the blood. This can kill you.
-
- The correct fire fighting equipment must be available near the work area before you start work in a fuel tank.
 - (The consequence is fire)

Safety precautions

- Wear the correct protective gloves and filter masks when you cut, abrade or drill composite materials.
 - The dust can get into your lungs or on to your skin and can be the cause of injury and skin irritation.
-
- Let the brakes become cool before you go near the landing gear. Do not apply a liquid or gas fire extinguisher directly on a hot wheel or brake unit.
 - This could cause an explosion.

Cautions & remedial actions

- **Do not get the compound on your skin.**
 - **If you do:**
 - **Rub it off immediately with a clean cloth.**
 - **Wash the skin with soap and rinse with clean water.**
-
- **Use solvent/cleaning agents and other materials only in an area with a good supply of air.....**
 - **Get medical help if your skin or eyes are irritated.**

Choose the negative

Positive Negative

- Make sure...
- Do not put...
- Let...
- Use only...
- Obey...
- Do not get...

Match keywords

Types of incident

-
-
-

Chemicals

-
-
-

Safety Equipment

-
-
-

Parts of the body

-
-
-

Find verbs for objects

- _____ ■ manufacturer's instructions
- _____ ■ protective gloves
- _____ ■ power tools
- _____ ■ sealants
- _____ ■ medical help

B5 : Looking forward

前瞻



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B5 : Looking forward

中阶段第五课 : 前瞻

Technical instructions

List structure

General

- Introduces the task and includes general comments

Task heading

- Marks instructions blocks for easy reference

• Study closely the handout extract of the instructions on lockwire removal and installation

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