

A350
TECHNICAL TRAINING MANUAL
MAINTENANCE COURSE - T1+T2 - RR Trent XWB
Documentation part II

This document must be used for training purposes only

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It will not be updated.

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DOCUMENTATION PART II

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AIRCRAFT DOCUMENTATION - PART II (2/3)

AirN@V Line Maintenance - Fault Isolation Presentation

V1813401 - V01T0M0 - VM00X2DOCP23001



TROUBLE-SHOOTING PERFORMED IN CASE OF:

- WARNINGS, MALFUNCTIONS
- MAINTENANCE, CREW MESSAGES

THE FAULT SYMPTOMS ARE LINKED TO:

- FAULT ISOLATION PROCEDURE(S)
- AND/OR MAINTENANCE PROCEDURE(S)

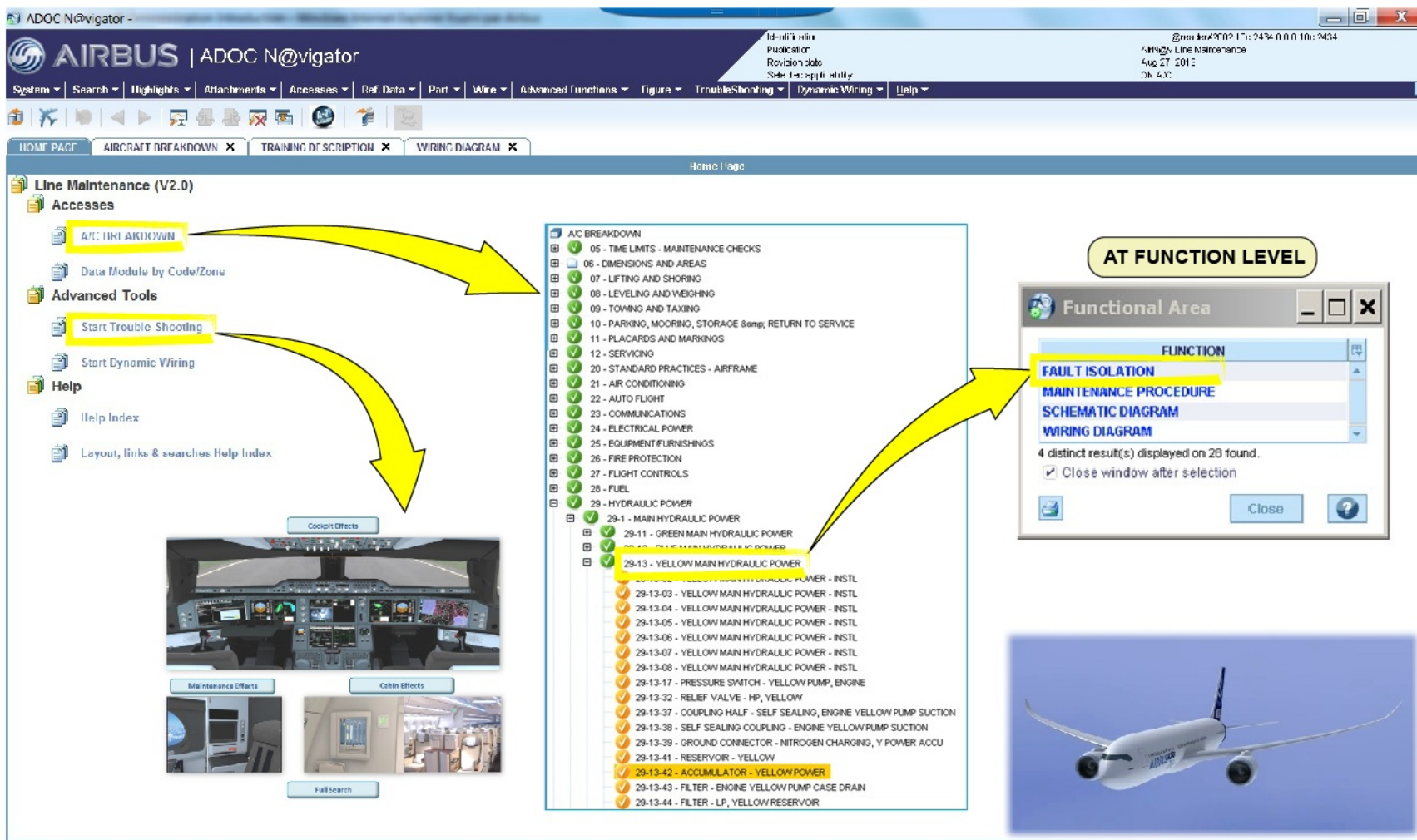
AirN@V Line Maintenance Home Page

AIRN@V LINE MAINTENANCE - FAULT ISOLATION PRESENTATION

AIRCRAFT DOCUMENTATION - PART II (2/3)

AirN@V Line Maintenance - Fault Isolation Process

Two possible accesses



The screenshot displays the AIRBUS ADOC Navigator software interface. The main window is titled "Line Maintenance (V2.0)" and features a sidebar with navigation options: "Accesses", "Data Module by Code/Zone", "Advanced Tools", and "Help". The "Accesses" section is expanded, showing "Start Trouble Shooting" and "Start Dynamic Wiring". The "Advanced Tools" section is also expanded, showing "Start Trouble Shooting" and "Start Dynamic Wiring". The "Help" section is expanded, showing "Help Index" and "Layout, links & searches Help Index".

The main content area is divided into two panes. The left pane, titled "AC BREAKDOWN", lists various aircraft systems and their status. The right pane, titled "Functional Area", displays a list of functions for the selected system, including "FAULT ISOLATION", "MAINTENANCE PROCEDURE", "SCHEMATIC DIAGRAM", and "WIRING DIAGRAM".

Yellow arrows indicate the flow of the process: from the "Start Trouble Shooting" button in the sidebar to the "AC BREAKDOWN" list, and from the "Start Trouble Shooting" button in the "Advanced Tools" section to the "Functional Area" pane. The "Functional Area" pane shows a list of functions, with "FAULT ISOLATION" highlighted. Below the list, it states "4 distinct result(s) displayed on 26 found." and includes a "Close" button.

At the bottom of the interface, there are three small images: "Cockpit Effects", "Maintenance Effects", and "Cabin Effects". A "Full Search" button is also visible.

AIRN@V LINE MAINTENANCE - FAULT ISOLATION PROCESS - TWO POSSIBLE ACCESSES

AIRCRAFT DOCUMENTATION - PART II (2/3)**AirN@V Line Maintenance - Fault Isolation Process (continued)****Access through cockpit effect**

V1813401 - V01T0M0 - VM00X2DOCP23001

Troubleshooting: First entry point selection

Cockpit Effect

Message

Fault Code

Panel Designation (LOCAL only)

System Page (ECAM SD and MFD only)

Search

Cockpit Effects search results (0 results)

Cockpit Effects

FAULT CODE LIST

Fault Code

3021X001

2538EU73

2538E007

2538EABA

2155W110

1234R001

2153W120

Panel Designation (LOCAL only)

FAP (FAMILY 120RH*)

Operation Panel

Navigation path

FaultSymptom

Cockpit Effects

Search: 3021X001

3021X001 - A ICE ENG 1 VALVE

Troubleshooting: First entry point selection

Cockpit Effect

Message

Fault Code 3021X001

Panel Designation (LOCAL only)

Cockpit Effects search results (1 results)

ED	Fault Code	Message
•	3021X001	A ICE ENG 1 VALVE OPEN

COCKPIT EFFECTS SEARCH RESULTS

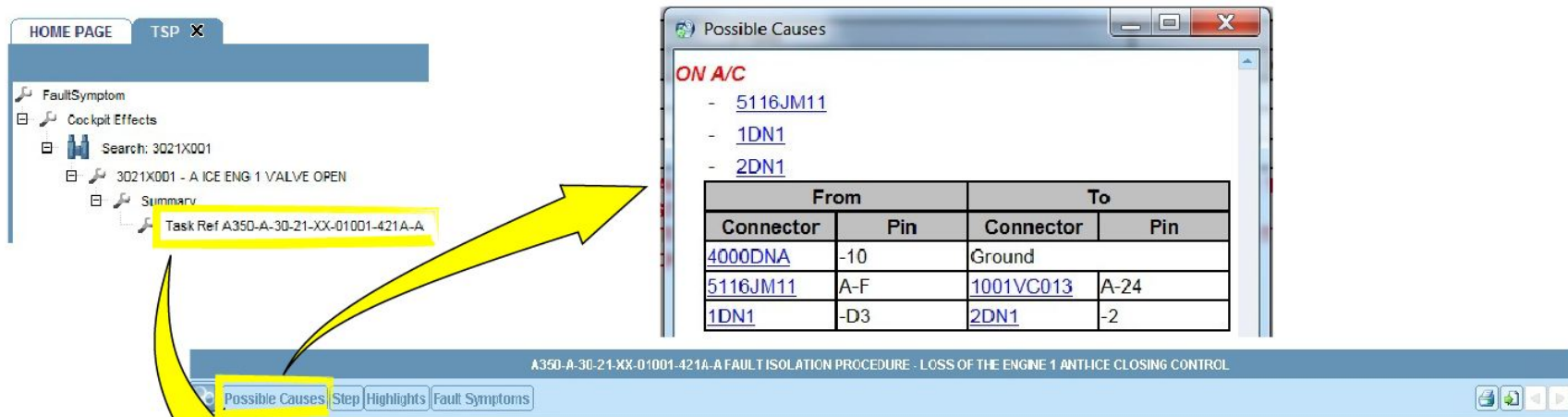
AIRN@V LINE MAINTENANCE - FAULT ISOLATION PROCESS - ACCESS THROUGH COCKPIT EFFECT

AIRCRAFT DOCUMENTATION - PART II (2/3)

AirN@V Line Maintenance - Fault Isolation Process (continued)

Fault isolation procedure options and interactivity

V1813401 - V01T0M0 - VM00X2DOCP23001



HOME PAGE TSP X

FaultSymptom

Cockpit Effects

Search: 3021X001

3021X001 - A ICE ENG 1 VALVE OPEN

Summary

Task Ref A350-A-30-21-XX-01001-421A-A

Possible Causes

ON A/C

- [5116JM11](#)
- [1DN1](#)
- [2DN1](#)

From		To	
Connector	Pin	Connector	Pin
4000DNA	-10	Ground	
5116JM11	A-F	1001VC013	A-24
1DN1	-D3	2DN1	-2

A350-A-30-21-XX-01001-421A-A FAULT ISOLATION PROCEDURE - LOSS OF THE ENGINE 1 ANTI-ICE CLOSING CONTROL

Possible Causes Step Highlights Fault Symptoms

TASK A350-A-30-21-XX-01001-421A-A

FAULT ISOLATION PROCEDURE - LOSS OF THE ENGINE 1 ANTI-ICE CLOSING CONTROL

- [5116JM11](#)
- [1DN1](#)
- [2DN1](#)

INTERACTIVITY ON CONNECTOR REFERENCES

From		To	
Connector	Pin	Connector	Pin
4000DNA	-10	Ground	
5116JM11	A-F	1001VC013	A-24
1DN1	-D3	2DN1	-2

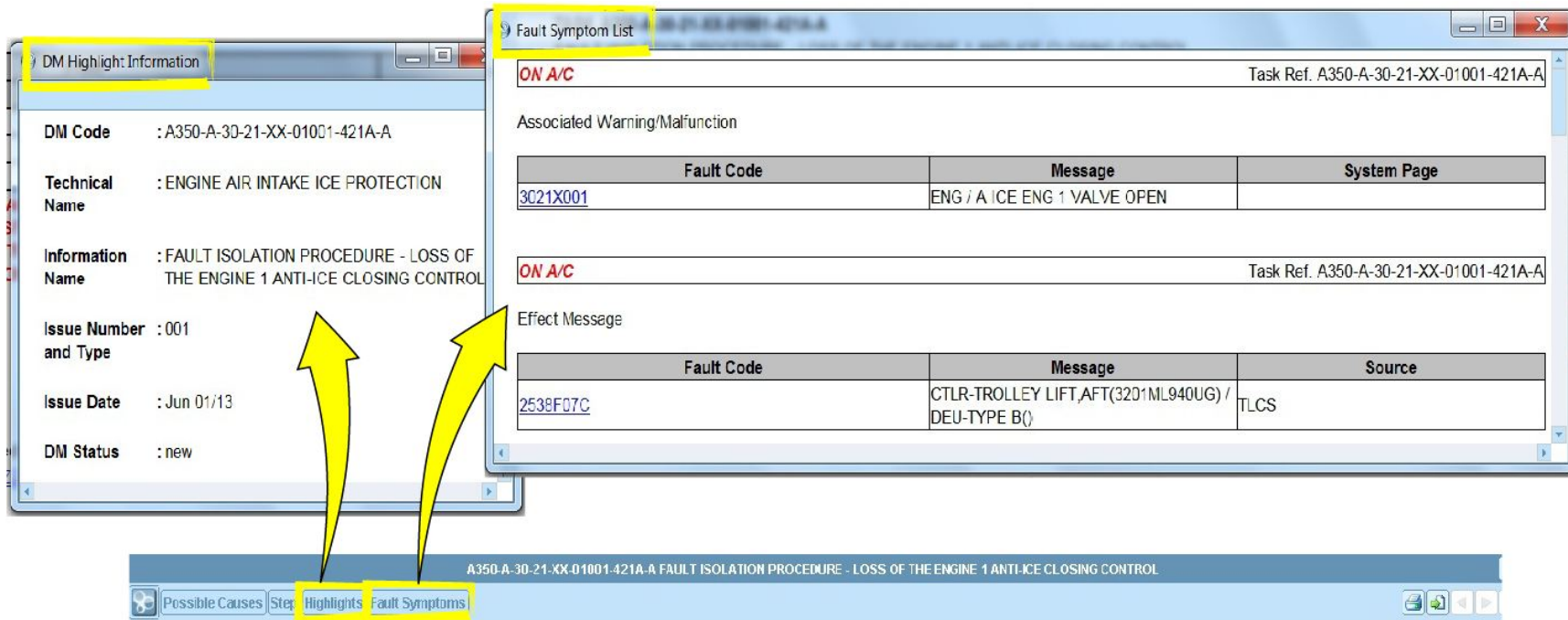
WARNING: YOU MUST BE CAREFUL WHEN YOU DO WORK ON THE ENGINE PARTS AFTER THE ENGINE IS SHUTDOWN. THE ENGINE PARTS CAN STAY HOT FOR ALMOST 1 HOUR.
YOU MUST NOT TOUCH HOT PARTS WITHOUT APPLICABLE GLOVES. HOT PARTS CAN CAUSE AN INJURY. IF YOU GET AN INJURY, PUT IT IN COLD WATER FOR 10 MINUTES AND GET MEDICAL AID.

1. [Job Set-Up Information](#)
2. [Job Set-Up](#)

A. Energize the aircraft electrical circuits.

[MP A350-A-24-41-XX-01ZZZ-381Z-A](#)
INTERACTIVITY ON MAINTENANCE PROCEDURE REFERENCE

AIRN@V LINE MAINTENANCE - FAULT ISOLATION PROCESS - FAULT ISOLATION PROCEDURE OPTIONS AND INTERACTIVITY



DM Highlight: Information

DM Code : A350-A-30-21-XX-01001-421A-A

Technical Name : ENGINE AIR INTAKE ICE PROTECTION

Information Name : FAULT ISOLATION PROCEDURE - LOSS OF THE ENGINE 1 ANTI-ICE CLOSING CONTROL

Issue Number and Type : 001

Issue Date : Jun 01/13

DM Status : new

Fault Symptom List

ON A/C Task Ref. A350-A-30-21-XX-01001-421A-A

Associated Warning/Malfunction

Fault Code	Message	System Page
3C21X001	ENG / A ICE ENG 1 VALVE OPEN	

ON A/C Task Ref. A350-A-30-21-XX-01001-421A-A

Effect Message

Fault Code	Message	Source
2538F07C	CTLR-TROLLEY LIFT,AFT(32D1ML940UG) / DEU-TYPE B()	TLCS

A350-A-30-21-XX-01001-421A-A FAULT ISOLATION PROCEDURE - LOSS OF THE ENGINE 1 ANTI-ICE CLOSING CONTROL

Possible Causes Steps **Highlights** Fault Symptoms

TASK A350-A-30-21-XX-01001-421A-A

FAULT ISOLATION PROCEDURE - LOSS OF THE ENGINE 1 ANTI-ICE CLOSING CONTROL

- [5116JM11](#)
- [1DN1](#)
- [2DN1](#)

From		To	
Connector	Pin	Connector	Pin
4000DNA	-10	Ground	
5116JM11	A-F	1001VC013	A-24
1DN1	-D3	2DN1	-2

WARNING: YOU MUST BE CAREFUL WHEN YOU DO WORK ON THE ENGINE PARTS AFTER THE ENGINE IS SHUTDOWN. THE ENGINE PARTS CAN STAY HOT FOR ALMOST 1 HOUR.
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AIRN@V LINE MAINTENANCE - FAULT ISOLATION PROCESS - FAULT ISOLATION PROCEDURE OPTIONS AND INTERACTIVITY

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AIRCRAFT DOCUMENTATION - PART II (2/3)**AirN@V Line Maintenance - Fault Isolation Process (continued)**

Fault confirmation included in the fault isolation procedure

FAULT CONFIRMATION INCLUDED IN THE FAULT ISOLATION

- INTERACTIVITY ON THE FAULT CONFIRMATION REFERENCE TO OPEN THE FAULT CONFIRMATION WINDOW
- INTERACTIVITY ON THE FAULT CONFIRMATION RESULTS TO GO DIRECTLY TO THE APPROPRIATE STEP OF THE FAULT ISOLATION PROCEDURE

3. Fault Isolation

- A. **NOTE:** During this procedure, if an error message is shown, record this message. Then do the related trouble shooting procedure.
- Perform the Fault Confirmation [AFI A350-A-30-21-XX-01777-4297-A](#)
- Does the test confirm the fault? [YES](#) (Go to Step B.) / [NO](#) (Go to Step 4.)



- B. NOTE:** During this procedure, if an error message is shown, record this message. Then do the related trouble shooting procedure.

AIRN@V LINE MAINTENANCE - FAULT ISOLATION PROCESS - FAULT CONFIRMATION INCLUDED IN THE FAULT ISOLATION PROCEDURE

AIRCRAFT DOCUMENTATION - PART II (2/3)

AirN@V Line Maintenance - Schematic Diagram

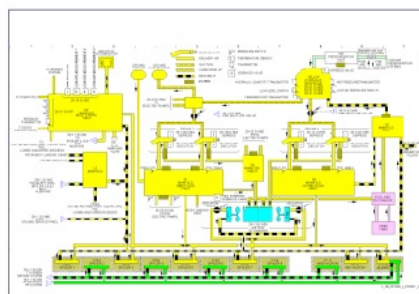
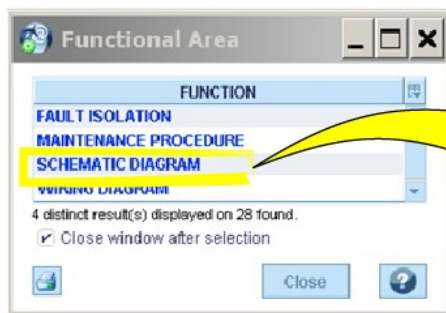
V1813401 - V01T0M0 - VM00X2DOCP23001

**FULL INTERACTIVITY
WITHIN THE SCHEMATIC
DIAGRAM**

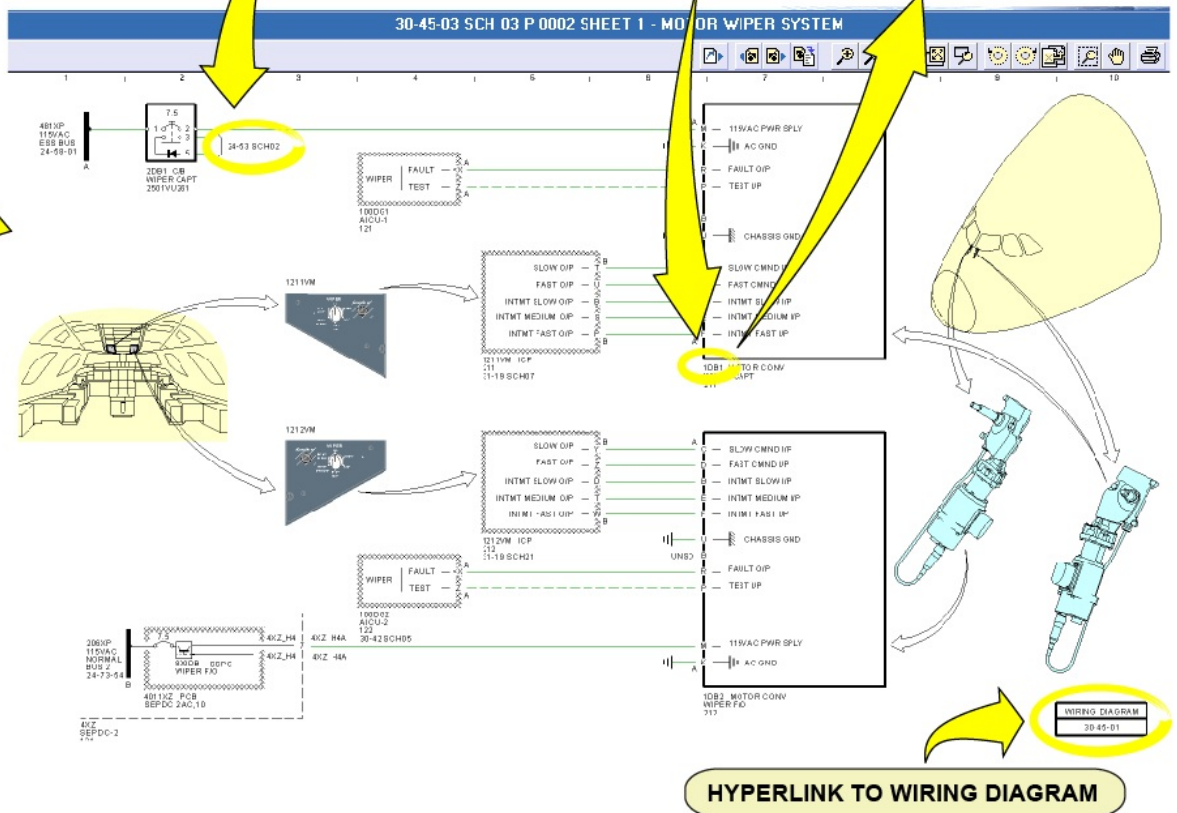
**HYPERLINK TO ANOTHER
SCHEMATIC DIAGRAM**

**HYPERLINK TO
FIN MENU**

**ACCESS BY AIRCRAFT BREAKDOWN
AT FUNCTION LEVEL**



**OTHER EXAMPLE OF
SCHEMATIC DIAGRAM**



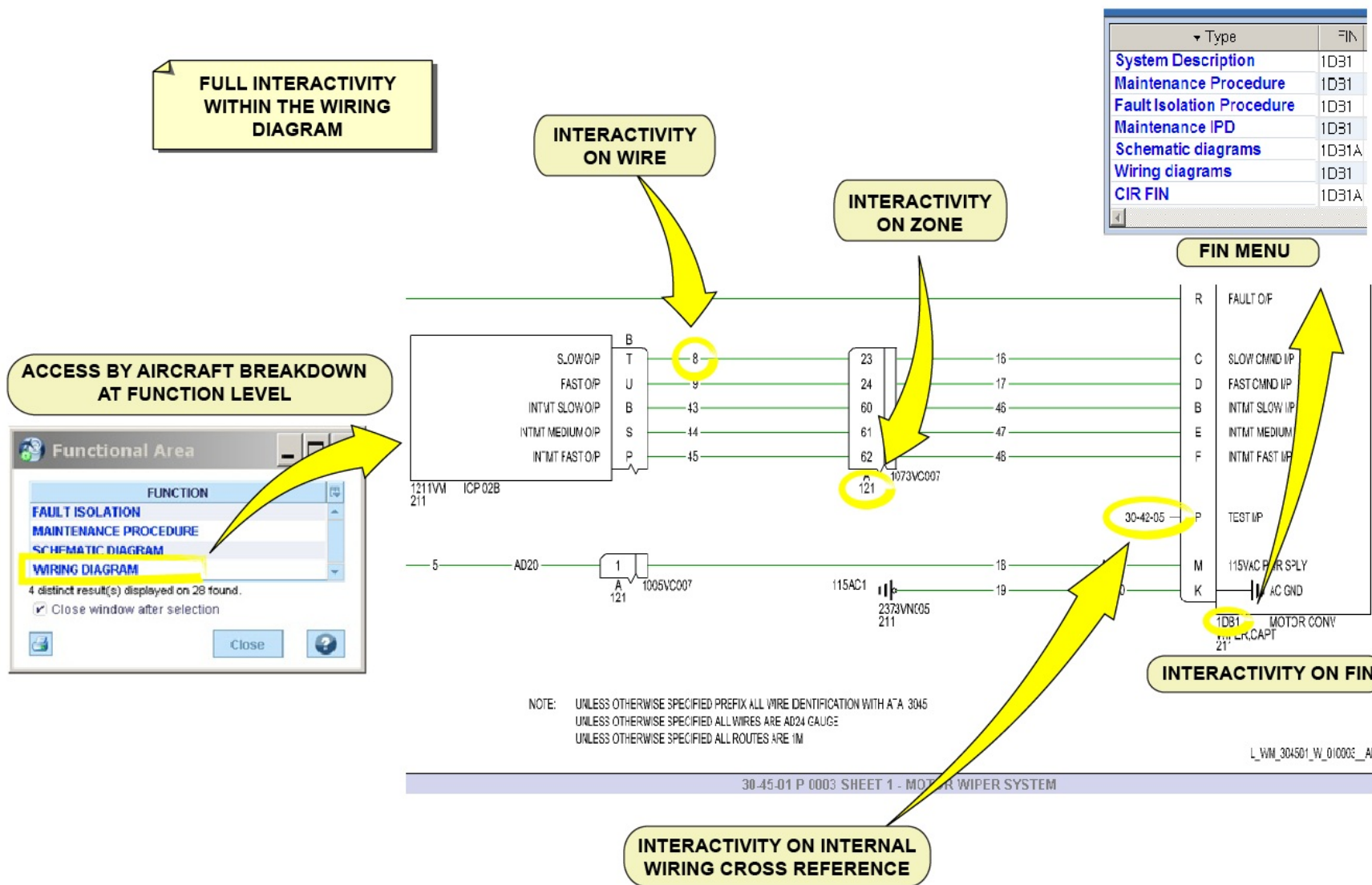
HYPERLINK TO WIRING DIAGRAM

AIRN@V LINE MAINTENANCE - SCHEMATIC DIAGRAM

AIRCRAFT DOCUMENTATION - PART II (2/3)

AirN@V Line Maintenance - Wiring Diagram

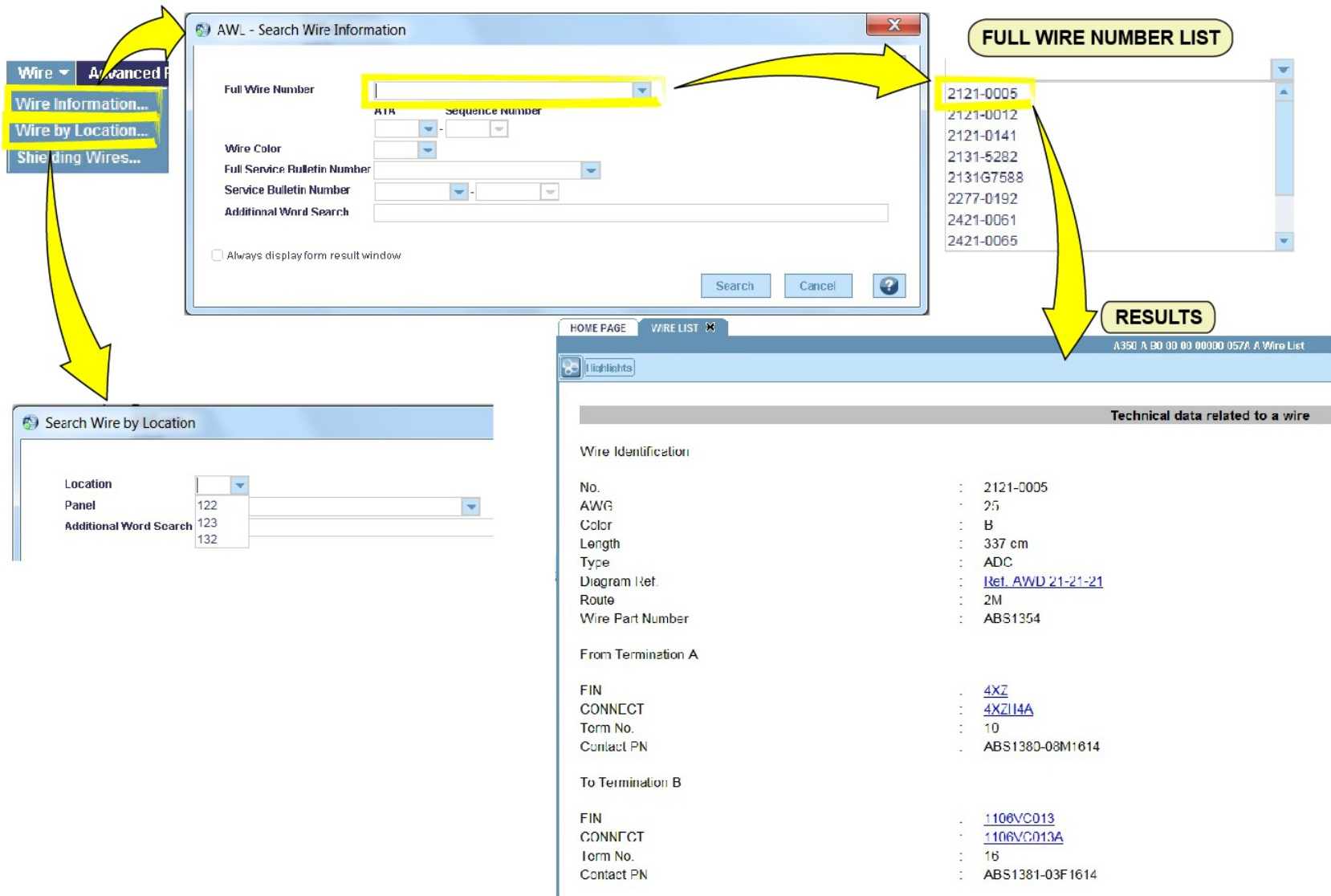
V1813401 - V01T0M0 - VM00X2DOCP23001



AIRN@V LINE MAINTENANCE - WIRING DIAGRAM

AIRCRAFT DOCUMENTATION - PART II (2/3)**AirN@V Line Maintenance - Aircraft Wiring List**

V1813401 - V01T0M0 - VM00X2DOCP23001



AWL - Search Wire Information

Full Wire Number:

Wire Color:

Full Service Bulletin Number:

Service Bulletin Number:

Additional Word Search:

☐ Always display form result window

Search **Cancel** **?**

Wire **Advanced Search**

Wire Information...
Wire by Location...
Shielding Wires...

Search Wire by Location

Location:

Panel:

Additional Word Search:

FULL WIRE NUMBER LIST

2121-0005
2121-0012
2121-0141
2131-5282
2131G7588
2277-0192
2421-0061
2421-0065

RESULTS

A350 A 80 00 00 00000 057A A Wire List

Technical data related to a wire

Wire Identification

No. : 2121-0005
AWG : 25
Color : B
Length : 337 cm
Type : ADC
Diagram Ref. : [Ref. AWD 21-21-21](#)
Route : 2M
Wire Part Number : ABS1354

From Termination A

FIN : [4XZ](#)
CONNECT : [4XZ114A](#)
Term No. : 10
Contact PN : ABS1380-08M1614

To Termination B

FIN : [1106VC013](#)
CONNECT : [1106VC013A](#)
Term No. : 16
Contact PN : ABS1381-03F1614

AIRN@V LINE MAINTENANCE - AIRCRAFT WIRING LIST

AIRCRAFT DOCUMENTATION - PART II (2/3)**AirN@V Line Maintenance - Illustrated Part Data**

V1813401 - V01T0M0 - VM00X2DOCP23001

**INSTALLATION FIGURE (OF LEAD
BONDING PART NUMBER 693335)**

DETAILS ABOUT THE SUB-COMPONENTS AND THE SPARE PARTS THAT CAN BE INSTALLED

V1813401 - V01T0M0 - VM00X2DOCP23001



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