



Lufthansa CityLine



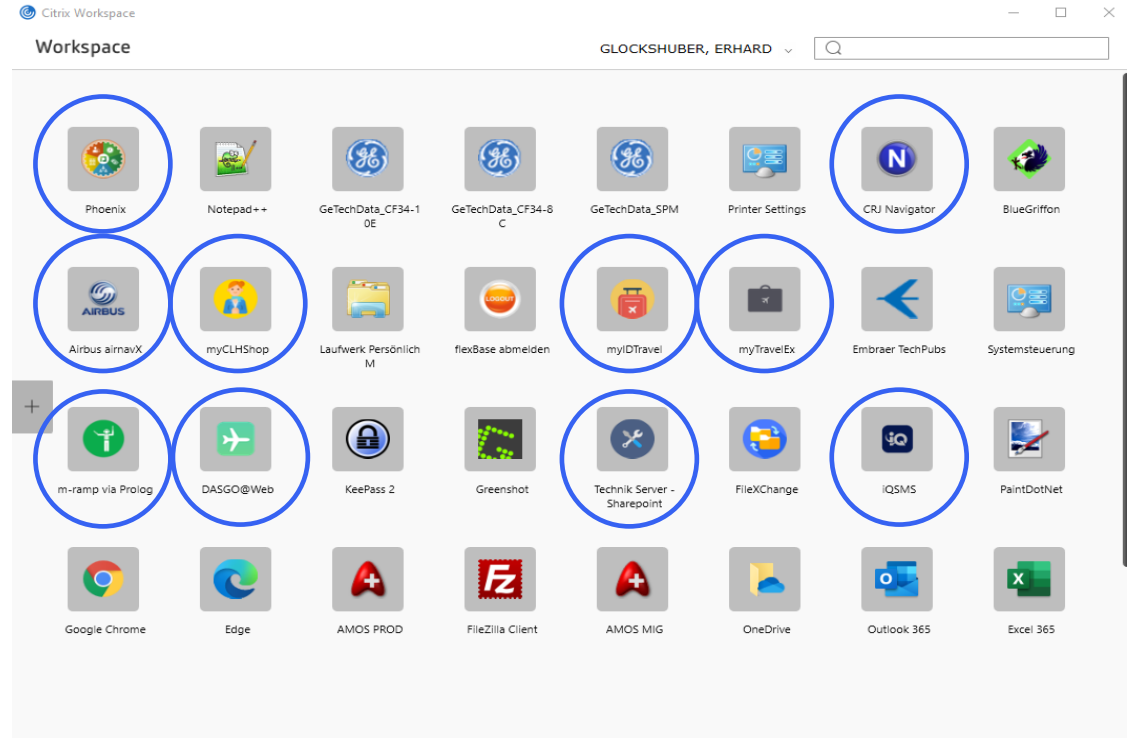
Citrix and iPhone



Lufthansa CityLine

A: Citrix Browser

Most of Citrix Icon are Internet sides (URL https://)

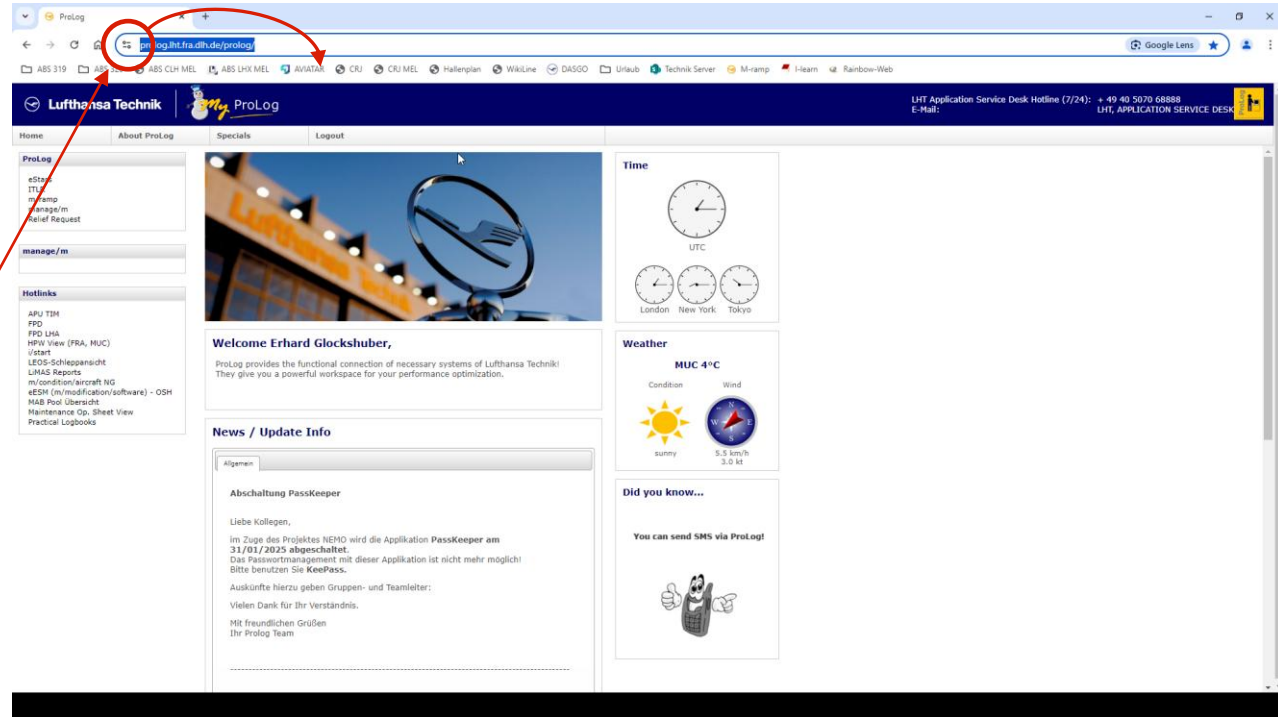


A: Use Bookmarks

All Internet sides can be visit by
Bookmarks



Add bookmarks to your
browser favorite bar



B: Group bookmarks



You can group your
bookmarks

like “Urlaub” or “Airbus”

Add folder

- Right click on favorite bar
- Select “ add folder”
- Enter folder name
- Save it

OM-8_CRJ_8-9.pdf

lufthansagroup.sharepoint.com/sites/Cityline_OM/Freigegeben%20Dokumente/OM-8_CRJ_8-9.pdf?CID=17684b4-67fb-42fe-9419-15b72ac7a3a4

ABS 319 ABS 320 ABS CLH MEL ABS LHX MEL AVIATAR CRJ CRJ MEL Hallenplan WikiLine DASGO Urlaub Technik Server Mi-ramp I-learn Rainbow-Web ch-vorsorge Coenen Passworter

OM-8_CRJ_8-9.pdf

Alle (15) öffnen
Alle (15) in neuem Fenster öffnen
Alle (14) in Inkognito-Fenster öffnen
Alle (15) in neuer Tabgruppe öffnen

Umbenennen...
Ausschneiden
Kopieren
Einfügen
Löschen
Seite hinzufügen...
Ordner hinzufügen...
Leseseichen-Manager
Verknüpfung "Apps" anzeigen
✓ Leseseichenliste anzeigen

Neuer Ordner

Name: Entgelt

Leseseichenliste
ABS 319
ABS 320
Urlaub
Weitere Leseseichen

Neuer Ordner Speichern Abbrechen

15 FEB 2024

INTRODUCTION	INT
CONFIGURATION DEVIATION LIST	8
MINIMUM EQUIPMENT LIST	9



B: Group bookmarks



Add your Bookmarks with
drag and drop



Drag and drop it from address bar



Drag and drop it from favourite bar

The screenshot shows a web browser window with a PDF document titled "OM-8_CRJ_8-9.pdf" open. The address bar shows the URL: lufthansagroup.sharepoint.com/sites/Cityline_OM/Freigegebene%20Dokumente/OM-8_CRJ_8-9.pdf?CID=17684b4e-9419-15b72ac7a3a4. A red circle highlights the address bar, and a red arrow points from it to a bookmark icon in the browser's toolbar. Another red arrow points from a bookmark in the favourite bar to the same bookmark icon. The PDF content displays the Lufthansa CityLine Operations Manual, Part B: Aeroplane Operating Matters, CRJ900 CRJ900NextGen. It includes a table of contents and a disclaimer.

REV: 15 FEB 2024	
INTRODUCTION	INT
CONFIGURATION DEVIATION LIST	8
MINIMUM EQUIPMENT LIST	9

Part B:
Aeroplane Operating Matters
CRJ900 CRJ900NextGen

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C: Airnav X bookmark

Airnav X starts with all manuals
and
select your favorites

The screenshot shows the Airbus Airnav X web application interface. The browser address bar displays the URL: <https://w3.airbus.com/IT40/library/catalog?wc=actypeA319:customization:DLH>. The page header includes the Airbus logo, the 'airnavX' brand, and navigation links for 'Data Search', 'My Library', 'Troubleshooting', and 'GenEWIS'. A 'HELP CENTRE' link is also present in the top right corner.

The main content area is titled 'Catalog' and 'List of Effective Technical Data'. It features a search bar with the placeholder text 'Filter the list by document's title or property'. Below the search bar, the results are displayed as a list of documents, sorted by 'Revision Date' (descending). The list includes the following documents:

- AFM - Airplane Flight Manual - EU**
A318, A319, A320, A321 - DLH - Revision Date: 20-Feb-2025
- ESPM - Electrical Standard Practices Manual**
A318, A319, A320, A321 - Revision Date: 01-Feb-2025
- TEM - Tool and Equipment Manual**
A318, A319, A320, A321 - Revision Date: 01-Feb-2025
- CML - Consumable Material List**
A300, A300-600, A310, A318, A319, A320, A321, A330, A340, A350, A380, AST - Revision Date: 01-Feb-2025
- SM - Standards Manual**
A300, A300-600, A310, A318, A319, A320, A321, A330, A340, A350, A380, AST - Revision Date: 01-Feb-2025
- ATI - ATA Index**
A319 - 319-100N - Revision Date: 01-Feb-2025
- ATI - ATA Index**
A319 - Revision Date: 01-Feb-2025
- TSM - Trouble Shooting Manual**
A318, A319, A320, A321 - DLH - Revision Date: 01-Feb-2025
- AWL - Aircraft Wiring List**
A318, A319, A320, A321 - DLH - Revision Date: 01-Feb-2025
- AWM - Aircraft Wiring Manual**
A318, A319, A320, A321 - DLH - Revision Date: 01-Feb-2025
- ASM - Aircraft Schematic Manual**
A318, A319, A320, A321 - DLH - Revision Date: 01-Feb-2025
- IPC - Illustrated Parts Catalog**
A318, A319, A320, A321 - DLH - Revision Date: 01-Feb-2025
- AMM - Aircraft Maintenance Manual**
A318, A319, A320, A321 - DLH - Revision Date: 01-Feb-2025
- AirN@v / Repair**

On the left side of the interface, there is a sidebar with a 'CONTEXT' section and a 'RESET' button. Below this, there is a 'Customization' section with a dropdown menu set to 'DLH'. Underneath, there is a 'Aircraft types' section with a dropdown menu set to 'A319'. Below that, there is a 'Doctypes' section with a dropdown menu set to 'AirN@v / Planning'. The sidebar also includes a list of checkboxes for selecting favorites: 'AirN@v / Planning', 'AirN@v / Repair', 'airnavX Standalone', and 'ATI'. The bottom of the sidebar shows the version 'V2.0.0' and the copyright notice '© Copyright Airbus'.



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C: Airnav X bookmark



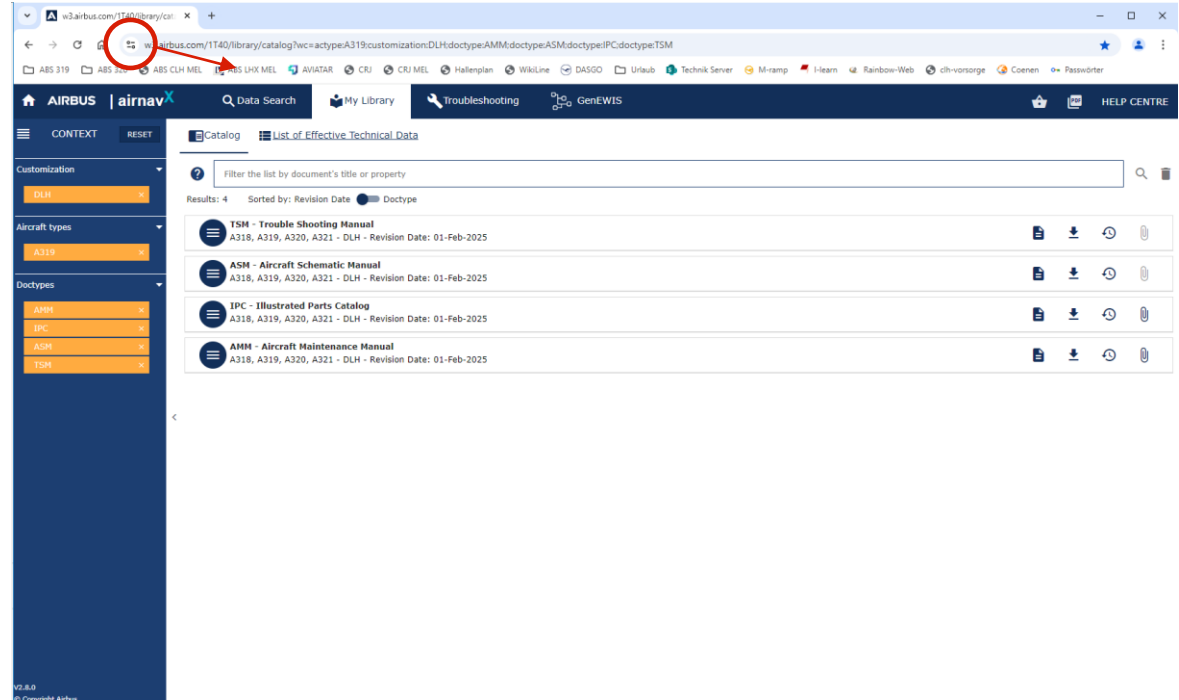
Add now this bookmark to
your favorite bar

All manuals will be stored in
Bookmark icon



Store different A/C types
like A319 or A320 or T/S
pages or ...

[https://wiki-
airline.de/wikiline.html](https://wiki-airline.de/wikiline.html)



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D: Airnav X navigation

Table of content

Preview of Content



Use full view



Screenshot of the Airbus Airnav X navigation interface showing the document structure and a detailed view of the wing center tank external ventilating system.

Document Structure (Left Panel):

- Customization: DLH
- Aircraft types: A318, A319, A320, A321
- MSN - TN - FSN - Eng Mod: 02652 D-AIBQ - 306 CFM56-506/P
- Doctypes: IPC
- Revision Date: 01-Feb-2025

Extended display (Middle Panel):

- ILLUSTRATED PARTS CATALOG
- MANUAL FRONT MATTER
- 11 - PLACARDS AND MARKINGS
- 20 - STANDARD PRACTICES - AIRFRAME
- 21 - AIR CONDITIONING
- 22 - AUTO FLIGHT
- 23 - COMMUNICATIONS
- 24 - ELECTRICAL POWER
- 25 - EQUIPMENT/FURNISHINGS
- 26 - FIRE PROTECTION
- 27 - FLIGHT CONTROLS
- 28 - FUEL
 - 28-11 - TANKS
 - 28-11-05 - TANKS - INSTL
 - 28-11-41 - VALVE - WATER DRAIN
 - 28-11-42 - CLACK VALVE
 - 28-11-43 - CAP/ADAPTOR - GRAVITY FILL
 - 28-12 - TANK VENTING SYSTEM
 - 28-13 - WING CENTER TANK EXTERNAL VENTILATING SYSTEM
 - 28-13-03 - WING CENTER TANK EXTERNAL VENTILATING SYSTEM - INSTL
 - FIG. 28-13-03-01A - DRAIN SYSTEM INSTL Zone(s) 190 (Aug 01/24)
 - FIG. 28-13-03-04A - DRAIN INSTL-FR41-47 Zone(s) 190 (Nov 01/22)
 - FIG. 28-13-03-05A - VENT SYSTEM INSTL-WING CTR TANK Zone(s) 190 (Feb 01/25)**
 - FIG. 28-13-03-07A - TUBE ASSY-VENTILATION (Nov 01/11)
 - FIG. 28-13-03-07B - TUBE ASSY-VENTILATION (Nov 01/11)
 - FIG. 28-13-03-07C - TUBE ASSY-VENTILATION (Nov 01/11)
 - FIG. 28-13-03-10 - HEAT SHIELD INSTL-WING CTR TANK Zone(s) 190 (Aug 01/24)
 - FIG. 28-13-03-12A - SEAL INSTL-VAPOR,WING CTR TANK Zone(s) 190 (Aug 01/23)
 - 28-13-42 - VAPOR SEAL
 - 28-13-43 - DRAIN MAST
 - 28-13-44 - MONITOR - LEAK

Figure 28-13-03-05A - VENT SYSTEM INSTL-WING CTR TANK Zone(s) 190 (Feb 01/25)

ITEM	PART NUMBER	NOMENCLATURE	FIN ACCESS/PANEL	UNIT PER ASSY
630A	D2827003200600	.TUBE ASSY		001
650	D2827003200400	.TUBE ASSY		002
145A	HS21919WC112	.CLAMP		006
175	NSA5519-14	.CLAMP		006
185A	ASNA0033-028	.CLAMP		006
205	E0088-10-125	.LEAD-BONDING LM		002
210A	NAS1304-8	.BOLT-HEXAGON HEAD		001
220A	NAS1304-5	.BOLT		003
235	NAS1303-3	.BOLT		012



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D: Airnav X navigation

Full view:

1. L/H shows information
2. R/H shows the picture
3. Switch thru pictures
4. Page can be saved as bookmark
5. Close page and go back to Table of contents



internet link can be added to AMOS links

Select a link type or enter any free text reference:

Inter- or Intranet

The screenshot displays the Airnav X interface with a browser window showing a technical drawing and a table of parts. The interface is divided into two main sections: a left sidebar (1) and a main content area (2).

Left Sidebar (1): Contains a list of links and a table of parts. The table has columns: ITEM, PART NUMBER, NOMENCLATURE, FIN ACCESS/PANEL, and UNIT PE R ASSY.

ITEM	PART NUMBER	NOMENCLATURE	FIN ACCESS/PANEL	UNIT PE R ASSY
030A	D2827003200600	.TUBE ASSY		001
050	D2827003200400	.TUBE ASSY		002
145	NSA5516-22NV	.CLAMP FOR REPLACEMENT, SEE STANDARD MANUA L		006
145A	MS21919WC12	.CLAMP		006
175	NSA5519-14	.CLAMP		006
185	NSA5522-018-028	.CLAMP		006
185A	ASNA0033-028	.CLAMP		006
205	ED088-10-125	.LEAD-BONDING LM		002
210A	NAS1304-8	.BOLT-HEXAGON HEAD		001
220A	NAS1304-5	.BOLT		003

Main Content Area (2): Displays a technical drawing of a wing structure with various components labeled. The drawing includes labels such as Z190, 191BB, 192FB, FR41, FR35, FR32, 132PW, FWD CARGO COMPARTMENT, 131NW, and 131PW. A note at the bottom states: "NOTE: (B1) VALID FOR ST1".

Navigation and Interface Elements:

- 1:** Lightbulb icon in the top left corner.
- 2:** Green circle around the main content area.
- 3:** Purple circle around the navigation bar.
- 4:** Blue circle around the left sidebar.
- 5:** Yellow circle around the top right corner.



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E: Bookmark on Technik server

The most important links to **drag and drop** are stored under bookmarks

The screenshot shows a SharePoint page titled 'CLH Technik Server' with the following structure:

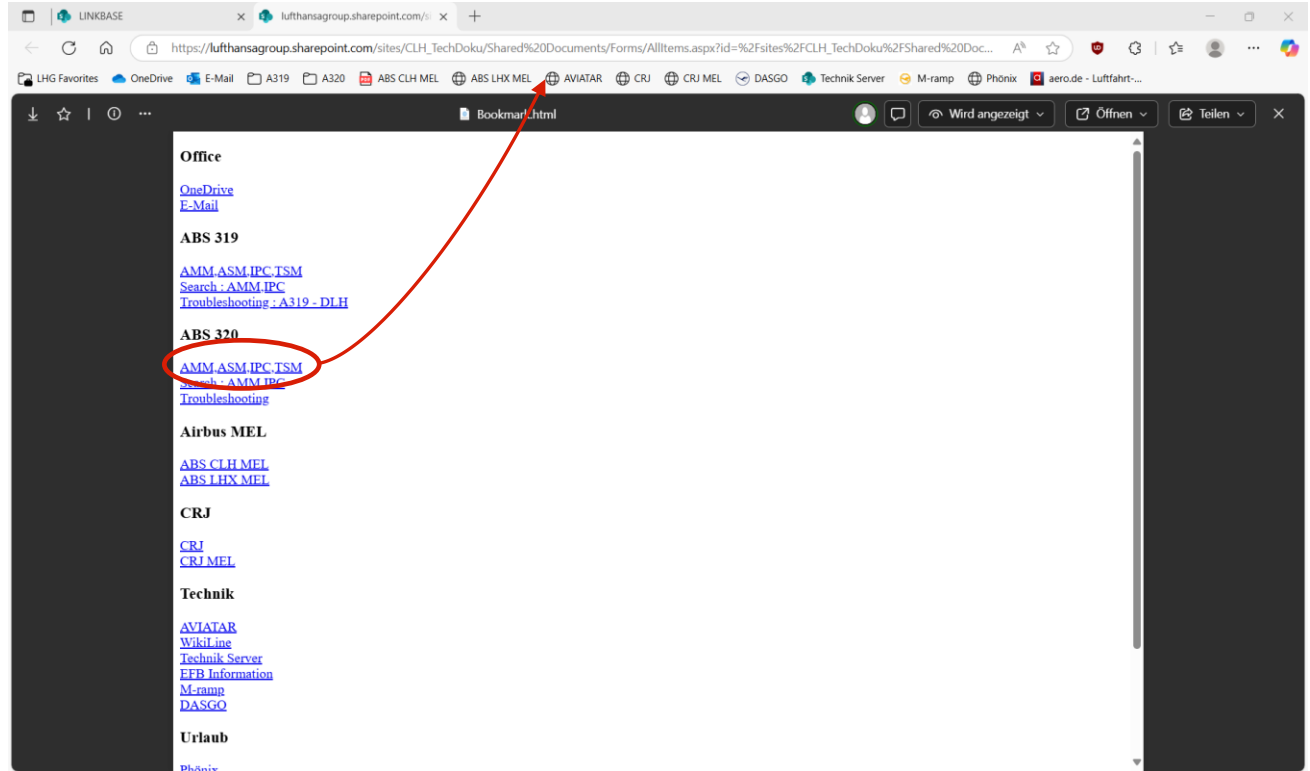
- Left Navigation Panel:**
 - HOME
 - AIRBUS
 - MHIRJ
 - AMOS
 - REGULATIONS
 - C/OT-E INFOS
 - LINKBASE** (selected)
- Main Content Area:**
 - Global Links:**
 - C/OT Occupational Health & Safety @LAG
 - C/KI SharePoint
 - C/OT SharePoint
 - C/OF SharePoint
 - C/OQ SharePoint
 - C/OT-J SharePoint
 - C/OQ-T Sharepoint
 - Global Links (Right Column):**
 - JPM/OPM
 - AMP
 - Service Portal
 - Outlook
 - NetLine/OPS++
 - Dispo-Schlepp Monitor
 - Knowledge Base:**
 - EACON Avionic
 - IBO 2.0
 - Bookmarks** (highlighted by a speech bubble)
 - ctrix and iphone
- Footer:**
 - 4 people liked this
 - 14423 Views
 - Save for later

A speech bubble with the text 'Click Bookmarks' points to the 'Bookmarks' link in the Knowledge Base section.



E: Bookmark on Technik server

Drag and drop all
Bookmarks



F: LHX MEL Revision Number

The screenshot shows a web application interface for LHX MEL Revision Number. The browser address bar displays 'lhx.pegma.app.lhgroun.de'. The interface includes a sidebar with 'My Tasks (2)' and 'Info only items (11)'. The main content area is titled 'LBA Approval' and contains a 'MUST KNOW' section with the text 'Revised LBA approval date.' and buttons for 'Mark as Read' and 'Compare Revisions'. Below this, the 'LBA Approval' section is highlighted with a blue box and a callout '3'. The text in this section reads: 'Sections Preamble, MEL Entries, MEL Items and MEL Operational Procedures 9-21 to 9-80 are based on the EASA approved Master Minimum Equipment List (M MEL) at the revision status given hereafter: Refer to [M MEL Approval Reference \(EASA\)](#) the issue date 23 JUN 25 are approved by the German Authority LBA (Luftfahrt Bundesamt)'. A callout '2' points to the 'Revision 33' tab in the sidebar. A callout '1' points to the 'LHX' logo in the top right corner of the application.

1. Click 

2. MEL Revision Number

3. MEL Revision Date

Any MEL ITEM

1. Click 
2. MEL Revision Number
3. MEL Revision Date



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F: LHX MEL Revision Date

The screenshot shows the LHX MEL application interface. The browser address bar displays `lhx.pegma.app.lhggroup.de`. The left sidebar contains a navigation menu with items like Dashboard, Library, Operation Manuals, OM-B, OM-B A320 Family, 9 Minimum Equipment List, MEL Items, 9-27 Flight Controls, and 9-27-21 Rudder Mechanical Control. The main content area displays the 'Rudder Pedal Adjustment System' entry for '9-27-21-01'. It includes a table with columns: RECTIFICATION INTERVAL, NUMBER INSTALLED, NUMBER REQUIRED, and PROCEDURE. The table shows values: C, 2, 0, and (0) respectively. Below the table, there is a section for 'COMPANY NOTES' with a table containing CLASS. and OPS affected. The text 'One or both may be inoperative provided that:' is followed by two numbered points. At the bottom, there is a section for '(O) OPERATIONS' with a link to 'MEL OP PROC Rudder Pedal Adjustment System'.

RECTIFICATION INTERVAL	NUMBER INSTALLED	NUMBER REQUIRED	PROCEDURE
C	2	0	(0) ↗

COMPANY NOTES	
CLASS.	OPS affected
I	-

One or both may be inoperative provided that:

1. The rudder pedals can be secured in a position which meets individual pilot requirements, and
2. The full and unrestricted movement of the rudder pedals and brake pedals deflection is possible at both pilot stations.

(O) OPERATIONS
Refer to [MEL OP PROC Rudder Pedal Adjustment System](#) | [↗](#)

END

The screenshot shows a popup window with the following information:

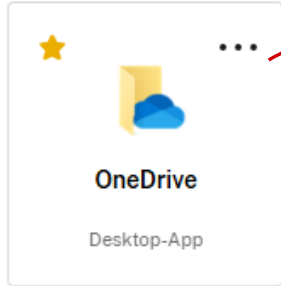
- Title: 9 Minimum Equipment List
- Validity: 23. Juni 2025 - unlimited
- Document ID: ID_e7d0f6e9-7874-40b8-9848-cf1f1232415d
- AD Document: no
- Module Title: Rudder Pedal Adjustment System
- Module ID: ID_0e3fd417-0f65-4264-9a29-60a4c40ecaf4

Any MEL ITEM

1. Click
2. Revision Date



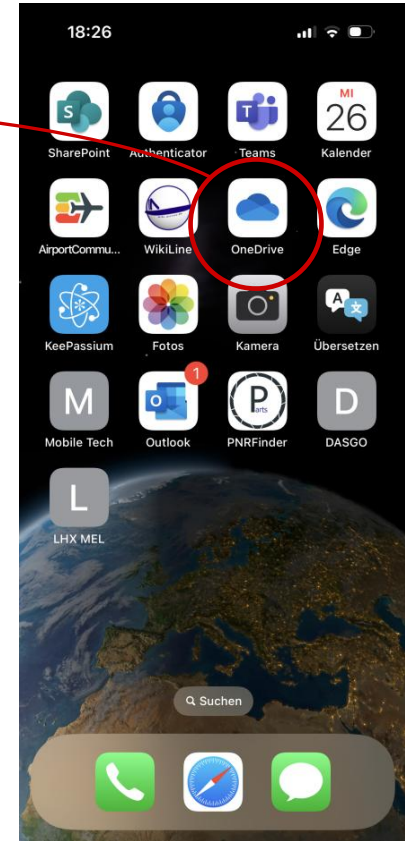
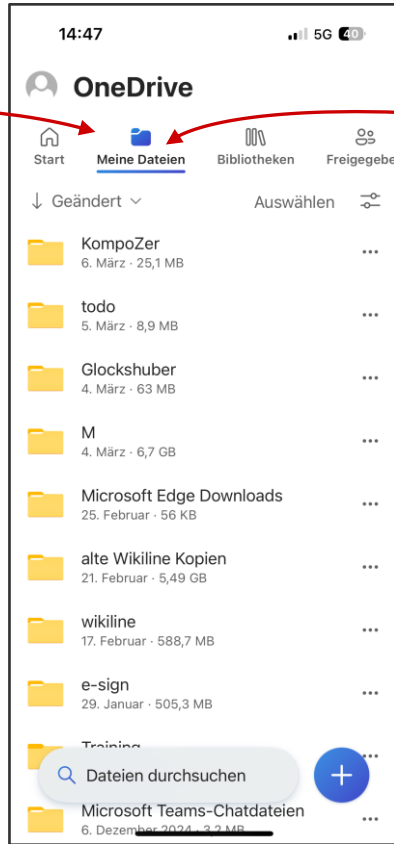
G: OneDrive



All files and folder
available on Citrix and
iPhone app



Use OneDrive App
for Photo upload

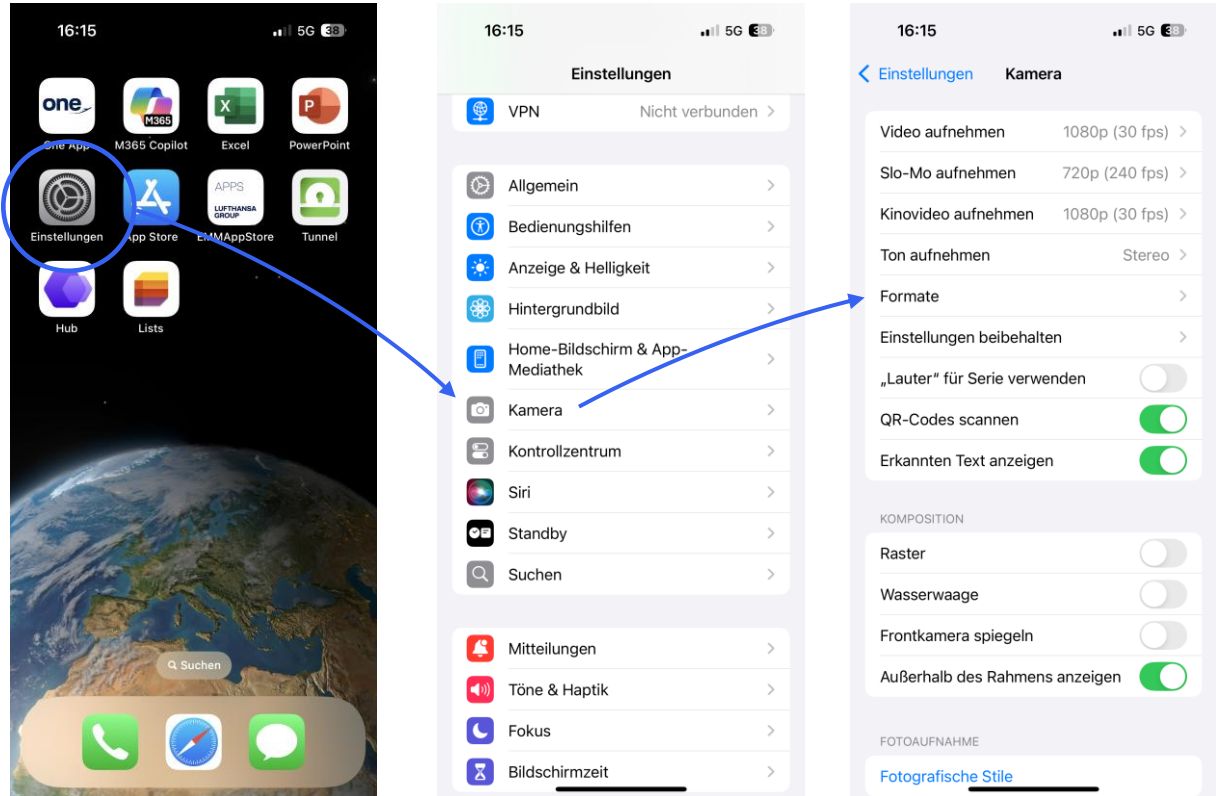


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G: OneDrive

Following settings must be done before

1. Select “Einstellungen”
2. Select “Kamera”
3. Select “Formate”



G: OneDrive

Set "Kameraaufnahme" to
"Maximale Kompatibilität"

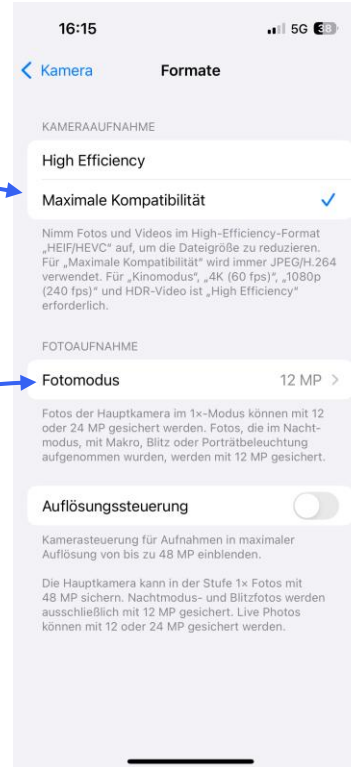


Now all Pictures
stored in .jpg
Format and you
can use it on
Citrix

Set "Fotoaufnahme" auf
"12 MP"



Reduce
mobil data
consumption



H: KeePass 2

How safe are your passwords?

Password	Average time taken before it is cracked
Sweetie	Seconds – pet names are in the dictionary.
SanFrancisco49ers	Seconds – trivial combination.
August2020	Seconds – trivial combination.
Extravaganza	Milliseconds – it's in the dictionary.

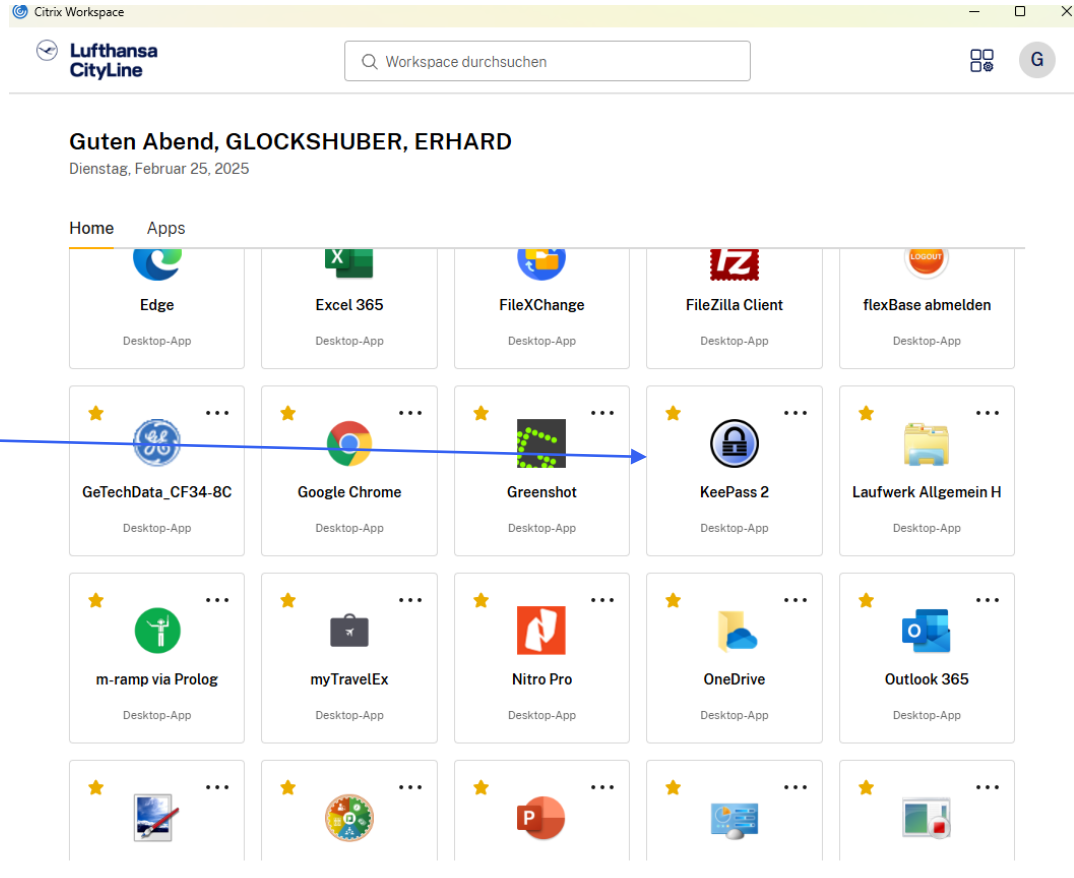
Examples of secure passwords:

Password	Average time taken before it is cracked
Twelf€99th	Over 800 years, since quadrillions of combinations.
2DinnERPlätes	Centuries, since quadrillions of combinations.
20Äpple-wii	Centuries, since quadrillions of combinations.
99Readbal000ns	Centuries, since quadrillions of combinations.



H: KeePass 2

Use Password Manager
KeePass 2
on Citrix



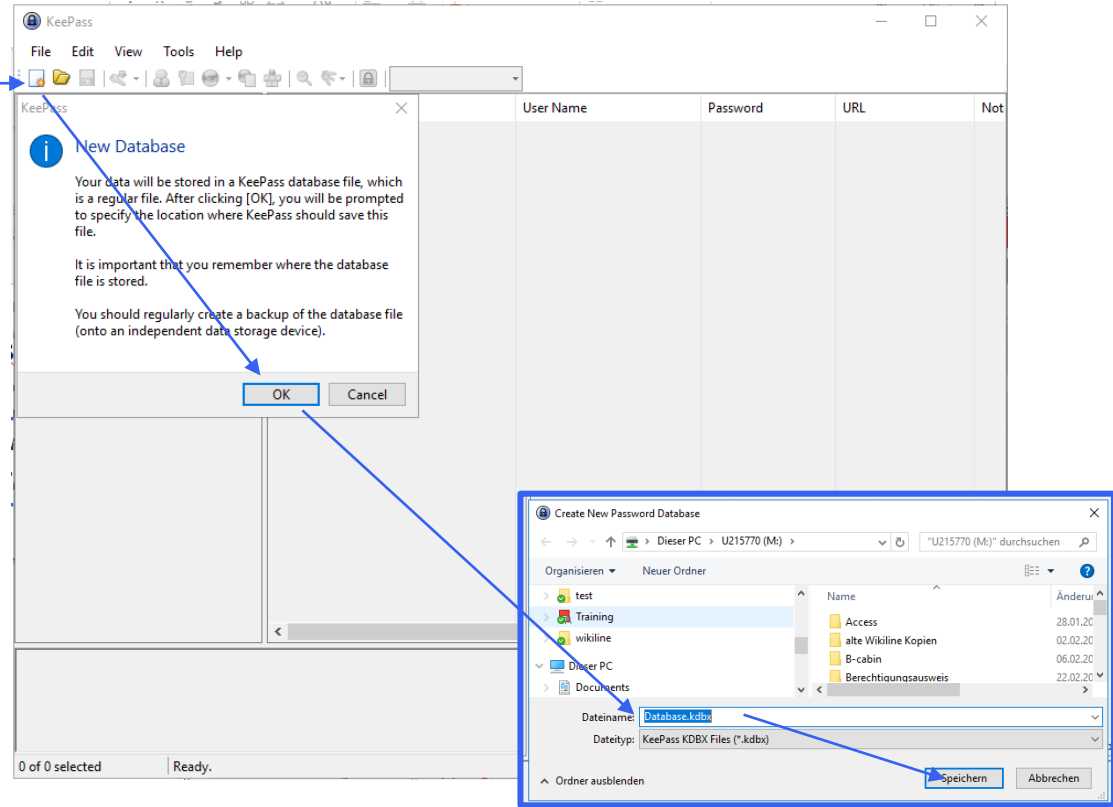
H: KeePass 2

Select “new file”

Select “OK”

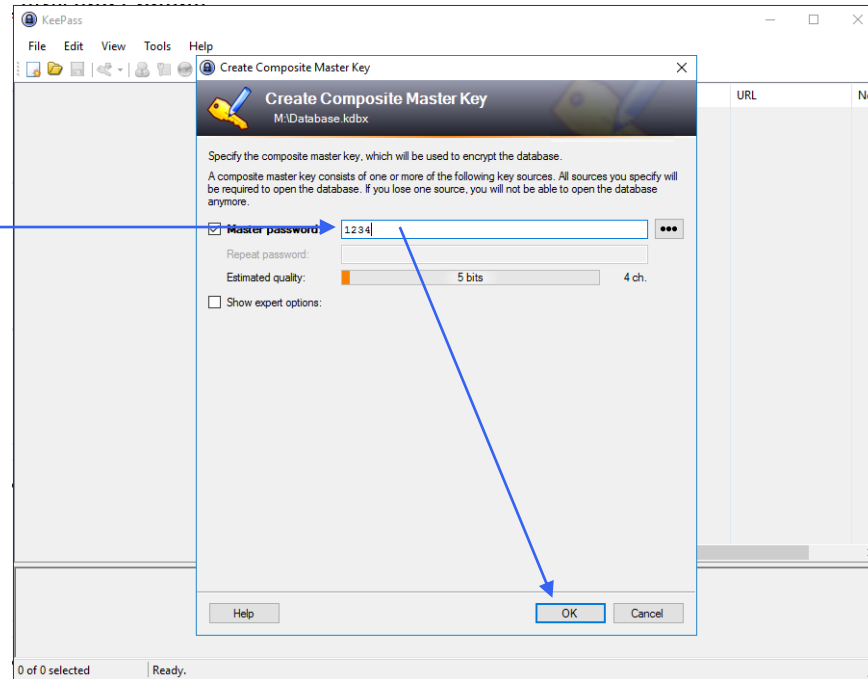
Enter “Name” for your file

Save it to your favorite location (Onedrive)



H: KeePass 2

Create master password

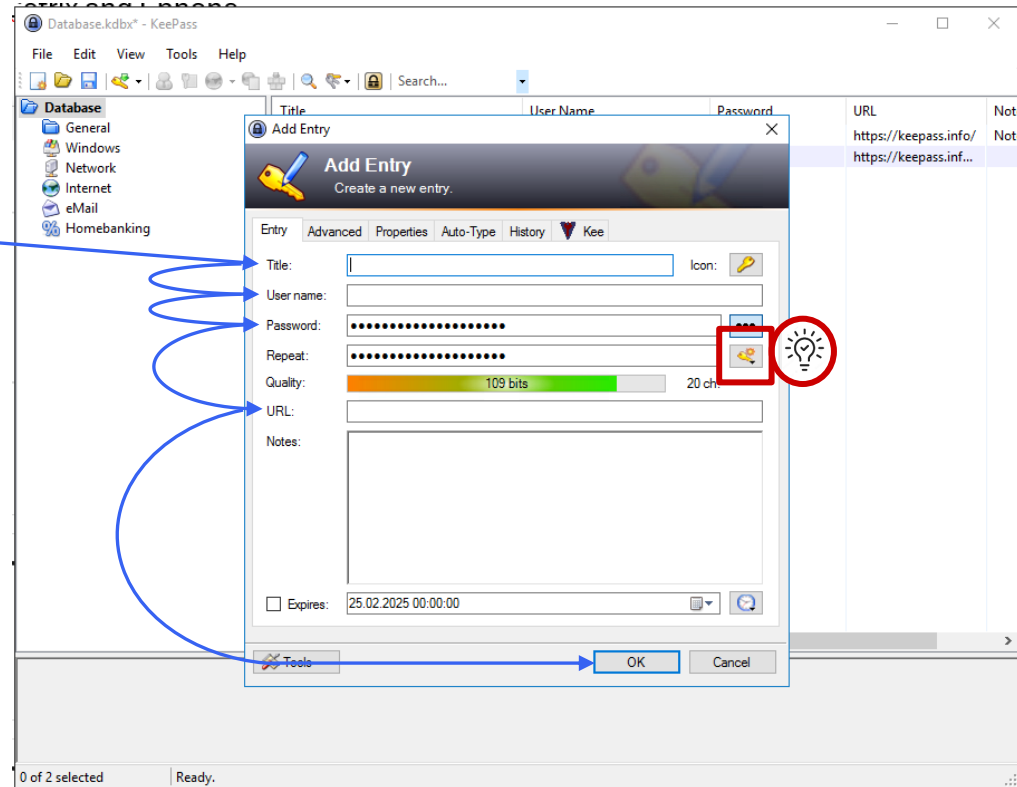


H: KeePass 2

1. Enter title like "Airnav X"
2. Enter your User name
3. Enter password
4. Enter URL (https://)
5. Click OK

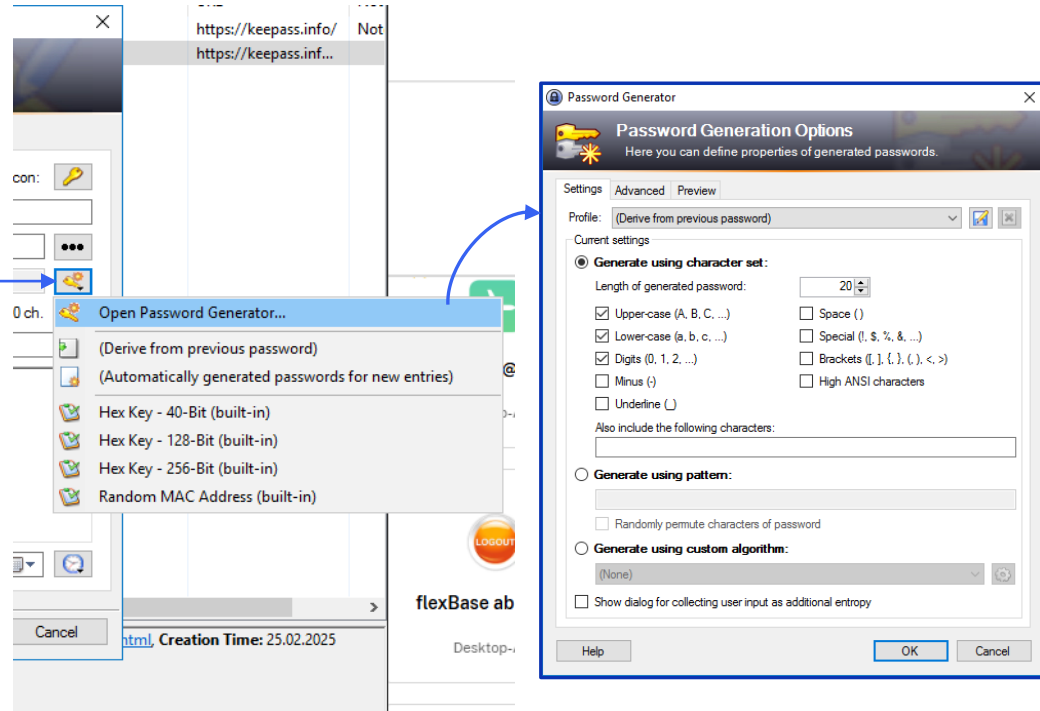


KeePass generates
safety Password for
you



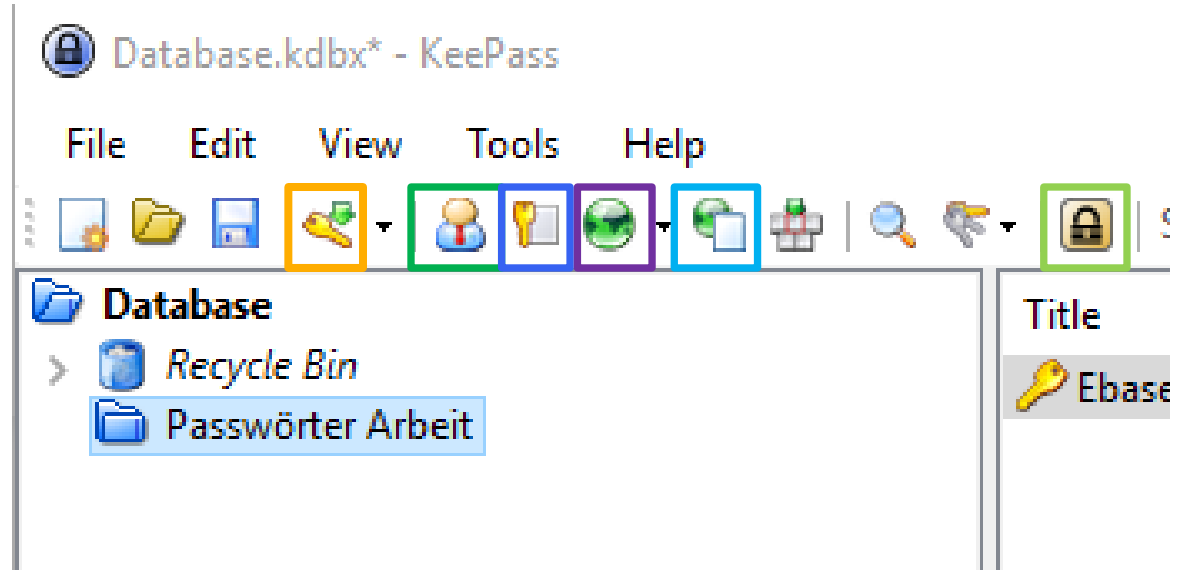
H: KeePass 2

Change the settings of your Password generator



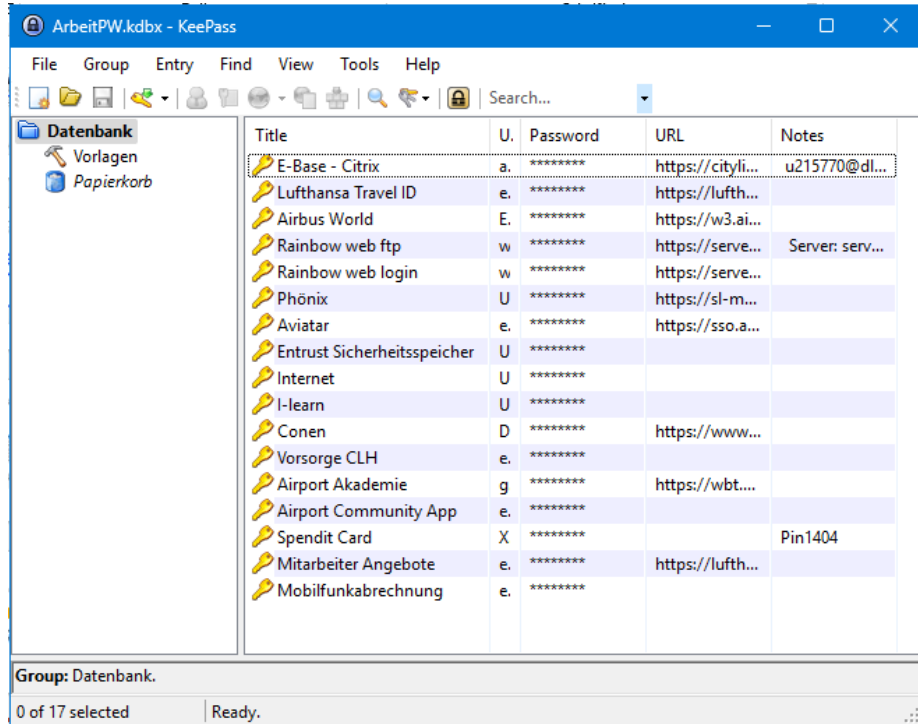
H: KeePass 2

1. New entry
2. Username is copied to clipboard
3. Password is copied to clipboard
4. Website opens
5. URL (https://) is copied to clipboard
6. Locked KeePass app



H: KeePass 2

- Overview of my Lufthansa logins
- Every Login need a separate Password!
- After a Browser update saved Passwords will be deleted



The screenshot shows the KeePass application window titled 'ArbeitPW.kdbx - KeePass'. The interface includes a menu bar (File, Group, Entry, Find, View, Tools, Help), a toolbar, and a search bar. On the left, the 'Datenbank' group is selected, showing sub-items 'Vorlagen' and 'Papierkorb'. The main area displays a table of login entries. The table has columns for Title, U. (Username), Password, URL, and Notes. The entries are as follows:

Title	U.	Password	URL	Notes
E-Base - Citrix	a.	*****	https://cityli...	u215770@dl...
Lufthansa Travel ID	e.	*****	https://lufth...	
Airbus World	E.	*****	https://w3.ai...	
Rainbow web ftp	w	*****	https://serve...	Server: serv...
Rainbow web login	w	*****	https://serve...	
Phönix	U	*****	https://sl-m...	
Aviatar	e.	*****	https://sso.a...	
Entrust Sicherheitsspeicher	U	*****		
Internet	U	*****		
I-learn	U	*****		
Conen	D	*****	https://www...	
Vorsorge CLH	e.	*****		
Airport Akademie	g	*****	https://wbt...	
Airport Community App	e.	*****		
Spendit Card	X	*****		Pin1404
Mitarbeiter Angebote	e.	*****	https://lufth...	
Mobilfunkabrechnung	e.	*****		

At the bottom of the window, the status bar shows 'Group: Datenbank.' and '0 of 17 selected | Ready.'

I: KeePassium

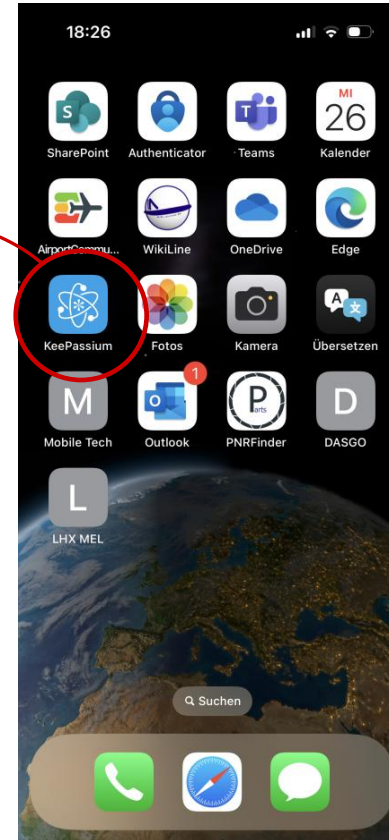
With KeePassium app on Apple store

You can use all Passwords on iPhone



Sent your KeePass file (.kdpX) per **private** E-mail account

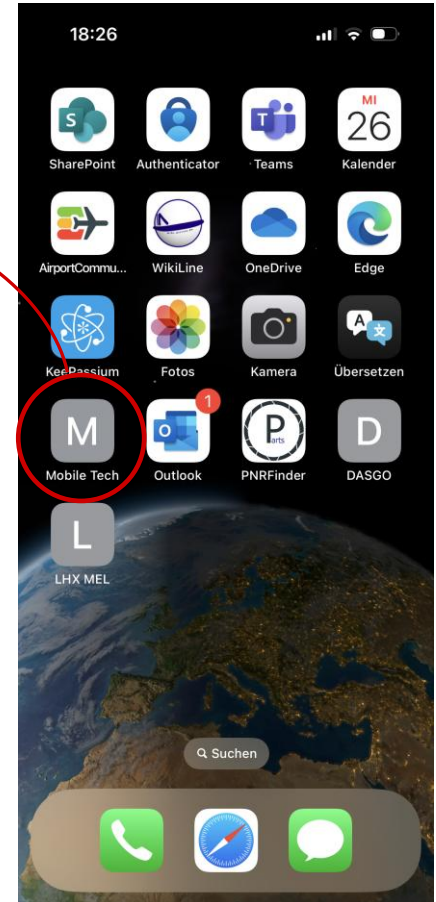
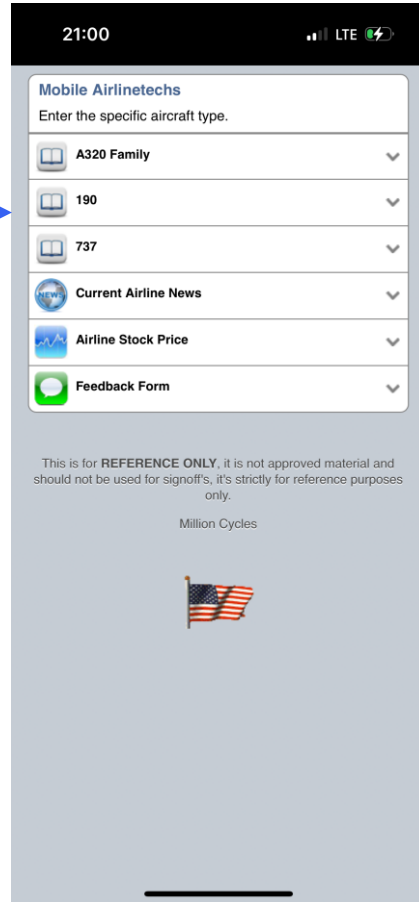
Download from OneDrive not possible



J: Mobile Ailinetechs

Internet address

<http://mobile.airlinetechs.com>

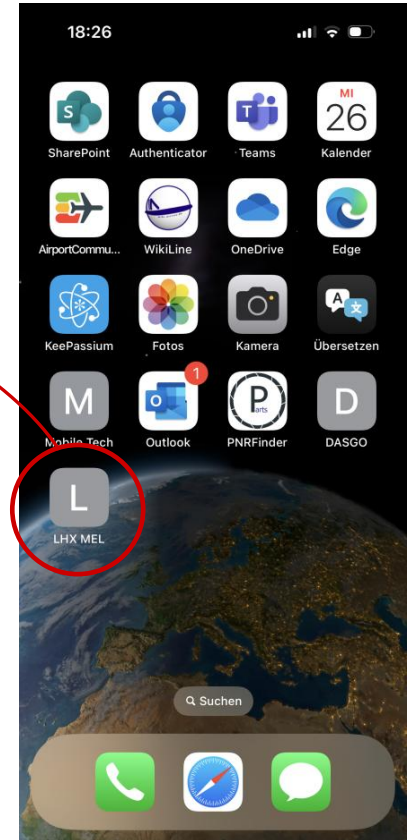


Lufthansa CityLine

K: LHX MEL

LHX MEL
with link on Home screen

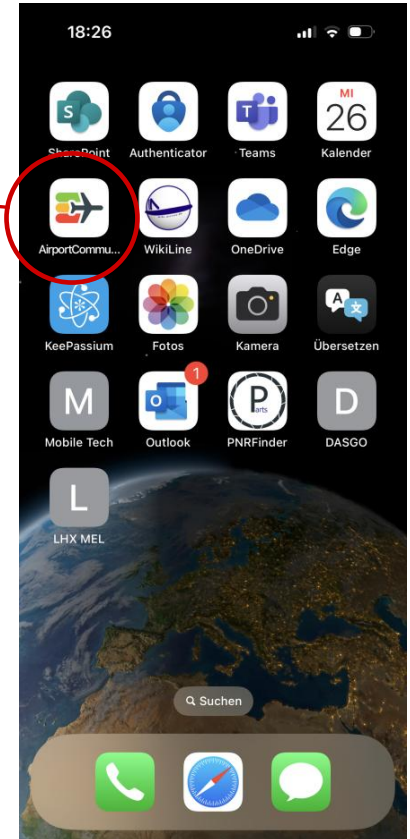
<https://lhx.pegma.app.lhgroup.de>



L: Airport App

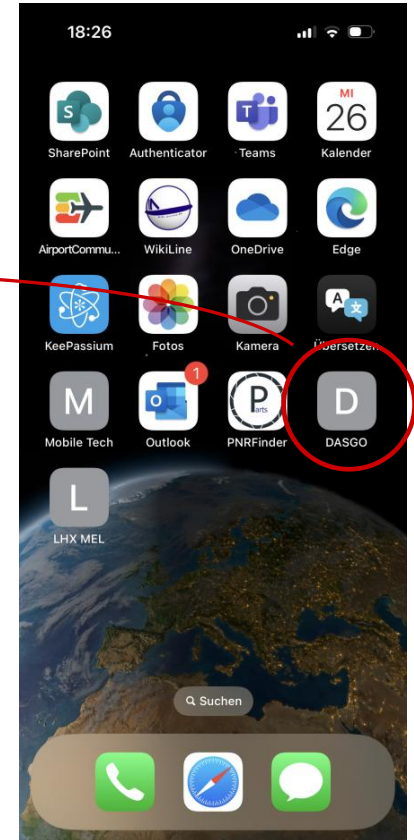
Airport App

<https://www.munich-airport.de/airport-community-app-7523795>



M: DASGO

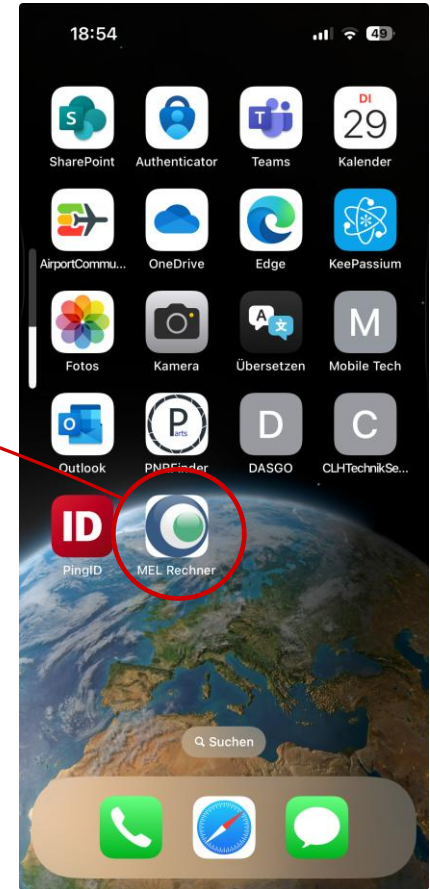
DASGO
with link on Home screen
<https://dasgo.dlh.de>
(Edge Browser only)



O: MEL Rechner

<https://www.finanz-tools.de/datumsrechner>

This Webpage can be used for MEL date calculation



Lufthansa CityLine

ERI INFO



1: Mini PDL

MINI PDL has 4 Function different function !!!!

Works as Computer

Dataloader 615-3



PC with Ethernet



Works as storage Media

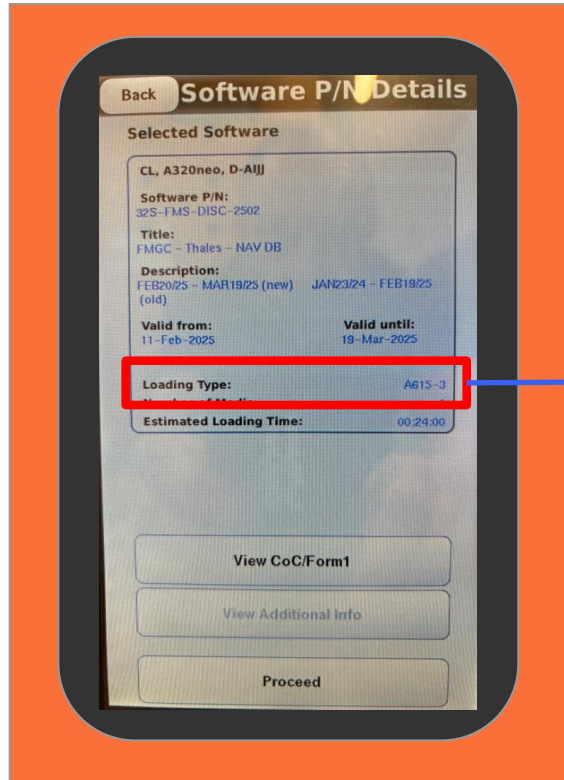
PCMCIA CARD



USB Stick



1: Mini PDL as ARINC Data loader

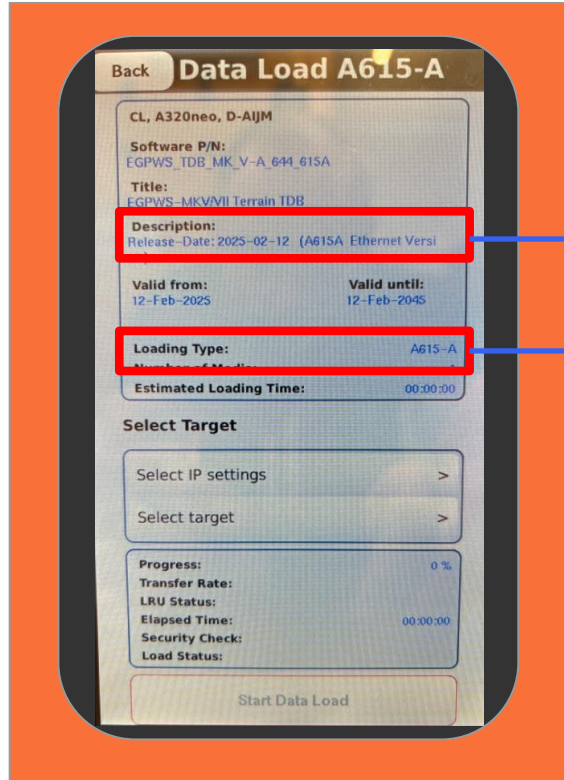


Loading type: **A615-3**

Bidirectional bus

Connect to LRU

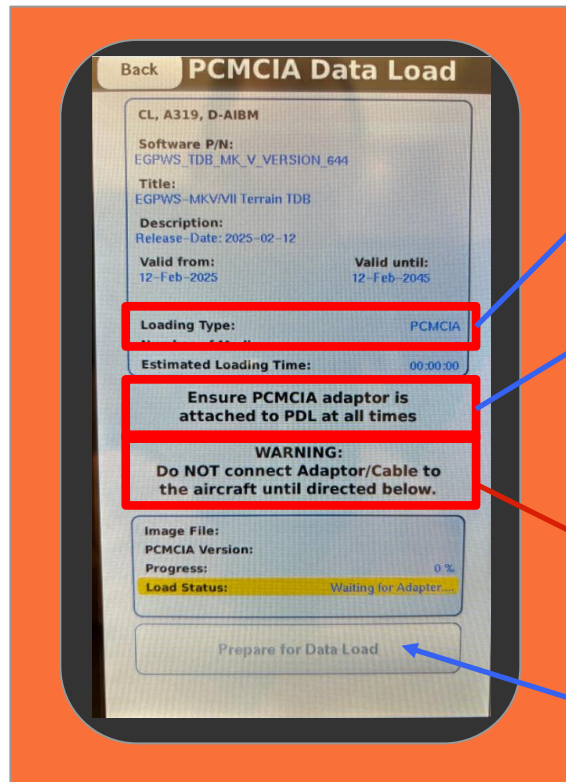
1: Mini PDL as Ethernet (IP-connection)



- Ethernet version

- Loading type: **A615-A**
- **Bidirectional bus**
- Connect to LRU

1: Mini PDL as PCMCIA card



- Loading type: **PCMCIA**
- Only drive
- **Do not connect to LRU**



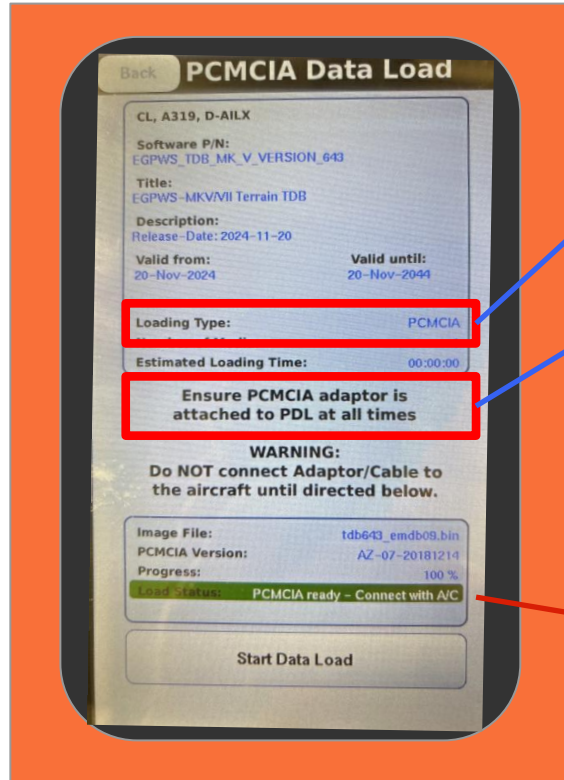
WARNING:
Do NOT connect Adaptor/Cable to
the aircraft until directed below.

Select "Prepare for Data Loading"



Lufthansa CityLine

1: Mini PDL as PCMCIA card



- Loading type: **PCMCIA**
- Only drive

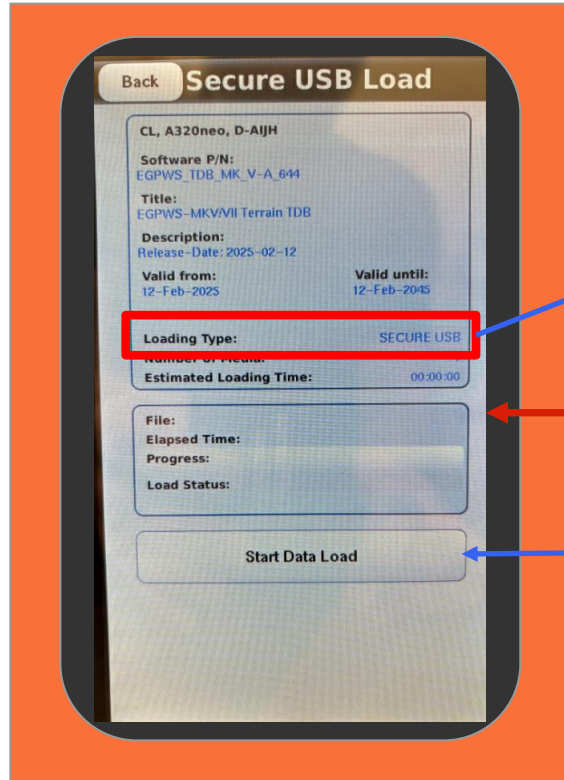


PDL READY!!!!

Connect with A/C

Load Status: PCMCIA ready - Connect with A/C

1: Mini PDL as USB stick

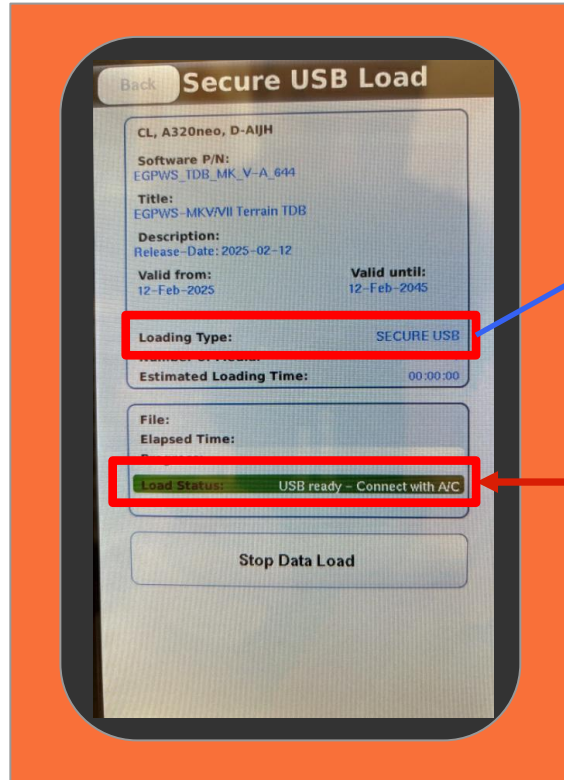


- Loading type: **USB**
- Only drive
- **Do not connect to LRU**

NO Warning !!
Do not connect to LRU

- Select "Start Data Load"

1: Mini PDL as USB stick



- Loading type: **USB**
- Only drive

PDL READY!!!!
Connect with A/C

Load Status: USB ready - Connect with A/C

2: Safety T-cable tool



2: Safety T-cable tool

Tension adjustment Screw

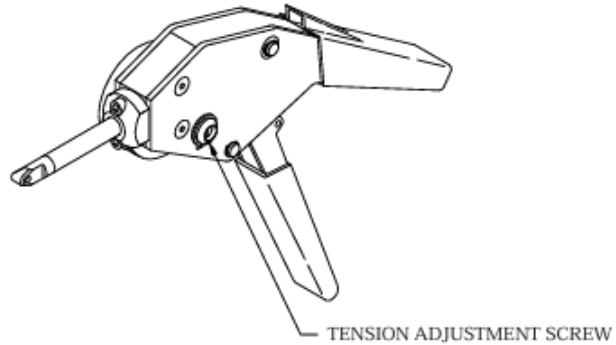


FIGURE 5

Cartridge Storage

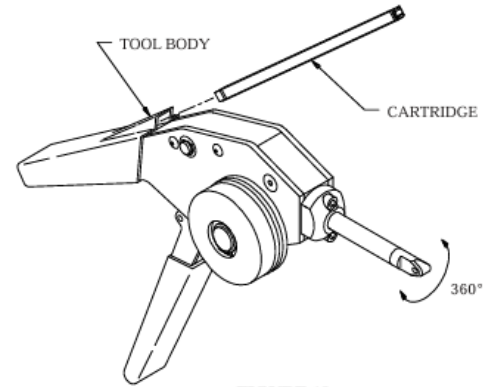
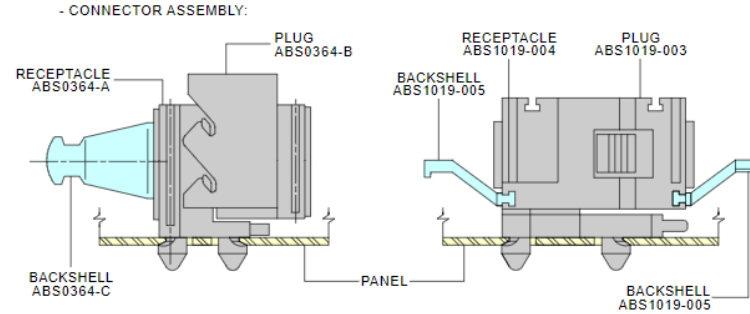


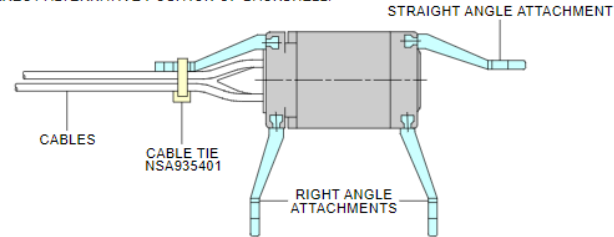
FIGURE 12

3: Sidewall and ceiling light ballast unit plug

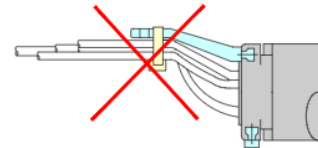
Easy way to change the angle of the backshell



- CORRECT ALTERNATIVE POSITION OF BACKSHELL:

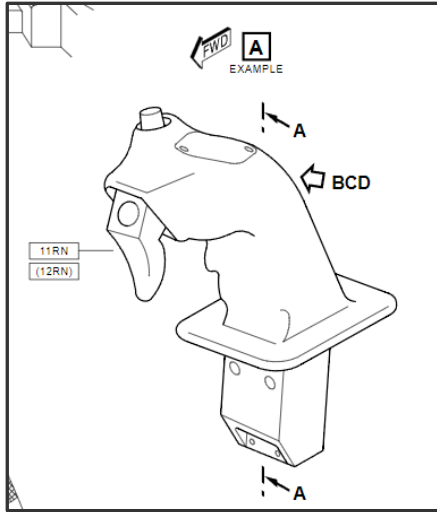


- INCORRECT POSITION:

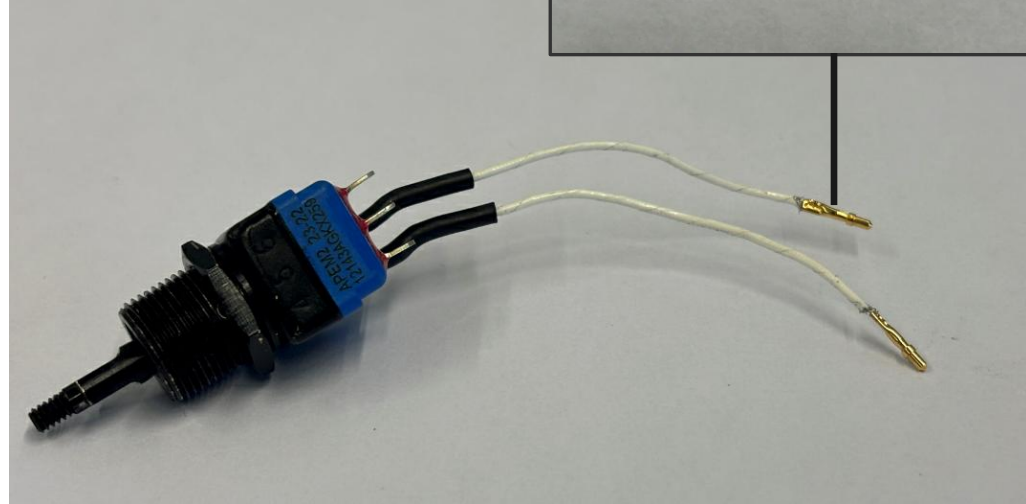


P SP 201245 D1 00120001 01 00

4: PTT Switch Joystick



Falscher splice!



4: PTT Switch Joystick

Crimptool	M22520-2-01
Locator	K127-2
Splice	NSA936830-22
Removal tool	DRK95-22M
Installation tool	DAK95-22M

