

**create
space**
and never
forget

25ft - POD

Maintenance instruction

Applied systems



EXPANDABLE
movable spaces

Table of contents

1. Maintenance intervals	1
1.1 Periodic maintenance schedule	2
1.2 Daikin air conditioning system	4
1.2.1 About maintenance	6
1.3 Maintenance Assa Abloy	7
1.4 General periodical check list Expandable Pod	9

1. Maintenance intervals

The following sections describe the maintenance schedule for supplier produced systems such as SAF, DAIKIN, and ASSA ABLOY. This information is intended to give customers a quick insight into the maintenance of the various systems built by suppliers of Expandable LLC. The maintenance schedule of the products built by Expandable LLC can be found also in this Maintenance instruction. For carrying out maintenance work, Expandable LLC refer to the documentation of the manufacturers of the products.



The documentation of the products built by suppliers such as SAF, DAIKIN, and ASSA ABLOY are always leading. Therefore, always consult the relevant documentation or possibly the website of these brands.

1.1 Periodic maintenance schedule

Carry out the following inspections periodically at the interval mentioned.

Check	Daily/ before each journey	every 5,000 km or two weeks	every 5,000 km or monthly	every 30,000 km or every 3 months	every 60,000 km or every 6 months	every 120,000 km or every 12 months	Every 2 years	Instruction	Responsible Party
Exterior lighting	X								Driver/operator
Oil level			X					User manual	Driver/operator
Slide out support beam				X				Will be developed	Driver/operator
Hydraulic fil- ter						X		Will be developed	Service work- shop
Hydraulic oil							X	Will be developed	Service work- shop
Interior light- ing						X ¹			Service work- shop
Periodic inspection by legis-						X			Service work- shop

Check	Daily/ before each journey	every 5,000 km or two weeks	every 5,000 km or monthly	every 30,000 km or every 3 months	every 60,000 km or every 6 months	every 120,000 km or every 12 months	Every 2 years	Instruction	Responsible Party
lation									

¹ According to NEN 1010

1.2 Daikin air conditioning system

Performing a test operation

1. Confirm that the indoor unit gas and liquid stop valves are open.



It is possible that the pressure inside the refrigerant circuit does not rise, despite the opened stop valve. This can be due to the expansion valve (or the like) blocking the refrigerant, and does not obstruct the test run.

2. Open the Madoka Assistant app.
3. Navigate to the operation screen of the controller that is connected to the indoor unit(s) on which you want to perform a test run.
4. In the operation screen, set the operation mode to Cooling.
5. Go to the "Unit settings" menu (upper right corner of the operation screen).
Result: You are in the "Unit settings" menu.
6. In the "Maintenance field", tap "Test operation".
Result: You are in the "Test operation" menu.
7. Tap "Start test operation".
Result: The indoor unit(s) enter test operation mode, during which normal operation is not possible.
8. Return to the operation screen.
9. Tap "Vertical airflow direction".
10. Tap "Fixed".
11. Cycle through the five fixed airflow directions, and confirm if the indoor unit flaps behave correspondingly.
12. Return to the "Test operation" menu.
13. Tap "Stop test operation".
Result: The indoor units leave test operation mode. Normal operation is possible again.
14. Go to "6 Operation" on page 5 of the Daikin manual and confirm if the indoor unit(s) behave according to the information set out there.
15. Check the error history. If required, solve the cause of the errors and perform the test operation again.

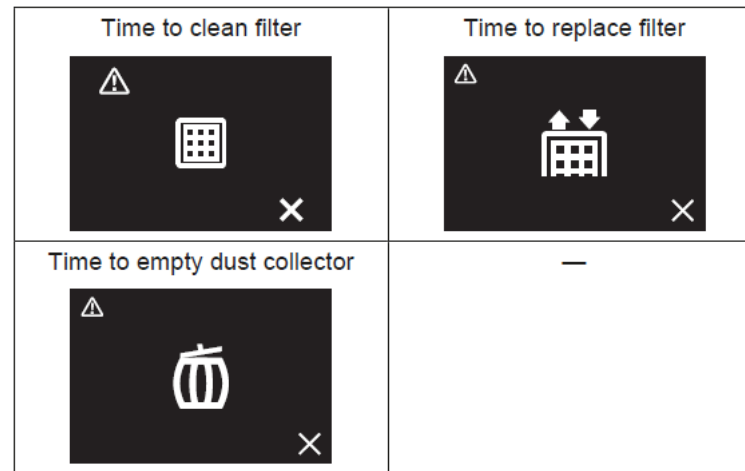


The test operation finishes after 30 minutes.

- | | | |
|---|---|---|
|  |  | Before carrying out any maintenance or repair activities, stop system operation with the controller, and turn off the power supply circuit breaker. Possible consequence: electric shock or injury. |
|  | | To clean the controller, do NOT use organic solvents, such as paint thinner. Possible consequence: damage, electric shock, or fire. |
|  |  | Do not wash the remote controller. Possible consequence: electric leakage, electric shock, or fire. |
|  | | When the dirt on the surface cannot be removed easily while cleaning the controller, soak the cloth in neutral detergent diluted with water, squeeze the cloth tightly, and clean the surface. Afterwards, wipe dry with a dry cloth. |
|  |  | Always consult the supplier documentation. This is always leading. |

1.2.1 About maintenance

When the indoor unit needs to be maintained, the controller will display  on the home screen, and display a warning screen as soon as you try to enter the main menu. Perform the required maintenance, and then remove the warning screen. The following warning screens are related to indoor unit maintenance:



1.3 Maintenance Assa Abloy

Service and adjustments performed by your ASSA ABLOY Entrance Systems-authorized representative will ensure safe and proper operation of your automatic door unit. This product may contain batteries that should only be replaced by an ASSA ABLOY Entrance Systems-trained and skilled technician. Remember to keep “Service Log Book” and “Site Acceptance Test and Risk Assessment” documents (PRA-0005) available. These are used together. The table below shows there commended interval in months, when to replace parts during preventive maintenance. Talk to your ASSA ABLOY Entrance Systems representative to learn more about our service offering. Abusive

Part	Cycles/hour in operation			Abusive Environment
	<10	<100	>100	
	Low traffic	Medium traffic	High traffic	
Electrical emergency unit battery (with 10 AT fuse)	24 months	24 months	24 months	24 months
Floor guide shoe Standard Felt padded Break-out	24 months	12 months	6 months	6 months
Door carriage Plastic wheels Steel wheels Anti-riser device	36 months	24 months	12 months	12 months
Sliding track	36 months	36 months	36 months	24 months
Tooth belt	48 months	48 months	48 months	36 months
Drive unit (SL521)	42 months	12 months	6 months	6 months

Part	Cycles/hour in operation			Abusive Environment
	<10	<100	>100	
	Low traffic	Medium traffic	High traffic	
Drive unit damper kit	60 months	60 months	60 months	60 months
Lock ramp	60 months	60 months	60 months	60 months
Belt clamp	60 months	48 months	36 months	24 months
Plastic protector center shaft kit	60 months	60 months	60 months	48 months
Door stop rubber kit	24 months	24 months	24 months	24 months
Tension wheel assembly	36 months	36 months	36 months	36 months
Detachment guard	60 months	60 months	60 months	60 months
Brush/sealing	12 months	12 months	12 months	12 months

Table 1 Periodical maintenance Assa Abloy



Always consult the supplier documentation. This is always leading.

1.4 General periodical check list Expandable Pod

Vehicle data

Chassis Number

Registration number

Kilometres / Miles ABS-EBS /

Customer

Date:

Expandable Pod	To access	Check	Condition
Chassis	Check welds and bolted assemblies	☐	☐
Lifting cylinders	Check lifting and lowering using the control panel	☐	☐
Slide outs	Check extension and retraction using the control panel	☐	☐

Expandable Pod	To access	Check	Condition
Folding floor	Check that the folding floor folds in and out smoothly	☐	☐
Pod	Check for correct attachment and wear	☐	☐
Hose couplings	Tightness check of couplings	☐	☐
Lights	Check for correct operation and faults	☐	☐
Surfaces	Painting, Galvanising, Painting KTL	☐	☐
Periodic	Functional check	☐	☐
Floor	Screw tightening	☐	☐
Floor end	Check for damage to sealing weld, repair if necessary	☐	☐
Superstructure	Visual inspection	☐	☐
Roof	Visual inspection	☐	☐
Door tightness	Visual inspection	☐	☐
Door closing	Visual inspection	☐	☐

Expandable Pod	To access	Check	Condition
Interior of super-structure	Check for defects / leaks repair if necessary. Check tightness welds and repair if necessary	☐	☐
Operation panels	Check for faultcodes, blocking during retraction and extension, functionality according to user manual	☐	☐
Hydraulic system	Check for leaks in pipes and connections (if damaged - limited lifting force)	☐	☐
Door stop	Check correct operation, repair if necessary	☐	☐
Floor protection seal	Check for damage, repair if necessary	☐	☐
Air pipes	Check air pipes - fastening - check fastening system, repair if necessary	☐	☐
Superstructure	Visual platform check	☐	☐

Table 1 Periodical test report.

Check: ☐ NOT Checked, ☒ Checked. **Condition:** ☒ NOT OK, ☒ OK



Document any existing damage to the Expandable Pod before starting to work. For further technical details **always check** the latest operating instructions.

any questions?
contact us

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