

ESA conversion kit

Automatic sliding doors

Owner's Manual | **Stanley Dura-Glide**

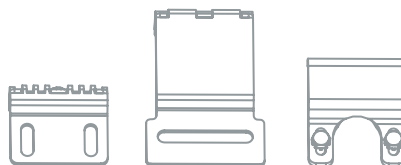
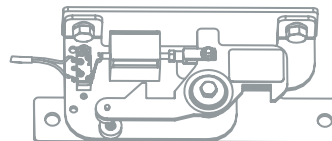
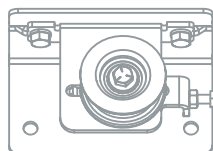
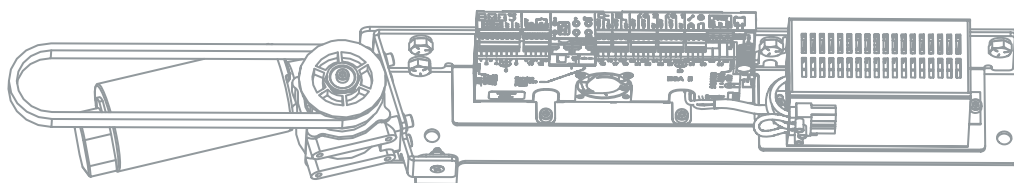


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1 General information

1.1 Owner's Manual.

This Owner's Manual applies to dormakaba ESA conversion kit for automatic sliding door installation.

1.2 Manual storage.

This document must be kept in a secure place, and accessible for reference as required.
If the door system should be transferred to another facility, insure that this document is transferred as well.

1.3 dormakaba.us website.

Manuals are available for review, download, and printing on dormakaba.us website.

1.4 Dimensions

Unless otherwise specified, all dimensions are given in inches (").

1.5 Symbols used in this manual.



WARNING

This symbol warns of hazards which could result in personal injury or threat to health.

NOTICE

Draws attention to important information presented in this document.

2 To our customers

We are pleased that a dormakaba ESA conversion kit for Stanley Dura-Glide sliding doors has been selected for this installation.

dormakaba designed, tested and built the system to provide many years of service.

The purpose of this manual is to familiarize you with your ESA conversion kit installation.

It is essential that you "know your system" and that you recognize the importance of maintaining your door system in compliance with industry standards for safety.

It is your responsibility as owner and caretaker of the equipment, to inspect the operation of your door system on a daily basis as outlined in **Chapter 7, Daily Safety Check Procedures** to insure that it is safe for use by your customers and employees.



WARNING

Should the door fail to operate as prescribed in the Safety information checklist or at any other time for any reason, do not attempt to repair or adjust the ESII Retrokit system!

Call your local authorized dormakaba USA, Inc. distributor for repair. The distributor's AAADM certified technicians are trained to service the ESA conversion kit using dormakaba USA, Inc. Installation Manual, and in accordance with applicable industry standards.

2.1 Service availability.

dormakaba USA, Inc. has a nationwide network of authorized distributors for sales, installation and service of its products.

2.2 Compliance with industry standards for safety.

Your ESA conversion kit was designed to the latest operating and safety standards. In order to insure the continued safe operation of the door, it is important that:

- Proper decals and labels be applied and maintained on your doors (Chapter 5).
- If decals and labels have been removed, or cannot be read, contact your local authorized dormakaba USA, Inc. distributor for replacement decals or labels.

3 What you should know

3.1 Distributor information

3.1.1 dormakaba USA Inc. distributor information.

Be sure that the dormakaba USA Inc. distributor has provided the following information for each door installation:

1. dormakaba USA Inc. ESA conversion kit
Owner's Manual DL2842-040
2. Review of:
 - Daily Safety Check Procedure (Chapter 7).
 - Door signage (Chapter 5).
3. Instructions on how to conduct the daily safety check procedure by walk through example.
4. Annual compliance inspection label completion (Chapter 4).
5. Circuit breaker or disconnect location for 115 Vac power to the ESII power supply.
6. ESA switch panel location and instructions in its use (Para. 3.2).
7. Discussion of problems that could result from the ESA sliding door panel being allowed to operate after a malfunction observed.
8. Number to call for service or questions about your system if you are uncertain of any condition or situation.



WARNING

If there are any problems, discontinue door operation immediately and secure the door in a safe manner.

Call your local dormakaba USA Inc. distributor for repair.

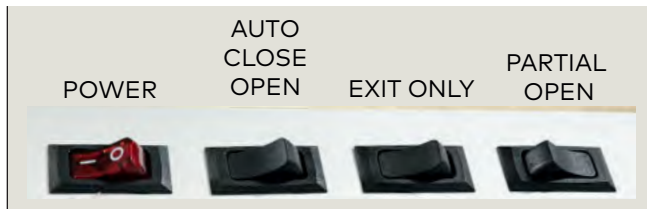
3.2 Switch panel




3.2.1 Operating instructions – switch panel

Table 3.2.1 Switch panel

Switch	POSITIONS		
Power	ON	OFF	-
Main	AUTO	CLOSE	OPEN
Exit Only	OFF	ON	-
Partial Open	OFF	ON	-

Fig. 3.2.1 Switch panel



AUTO CLOSE OPEN door operation	
EXIT ONLY – OFF PARTIAL OPEN – OFF	
AUTO 	When external or internal activation signal is received, door will open to full opening width unless Partial Open switch is ON. Once door fully open, Hold open time is initiated with no activation, presence or safety beam sensors (optional) activated. When Hold open time expires door will close.
CLOSE 	If open, door will immediately close. If door is in an opening cycle, door will reverse and close. Door will remain closed until main switch set to OPEN or AUTO.
OPEN 	Door will open at creep speed. Door will remain open until Main Switch set to AUTO or CLOSE.





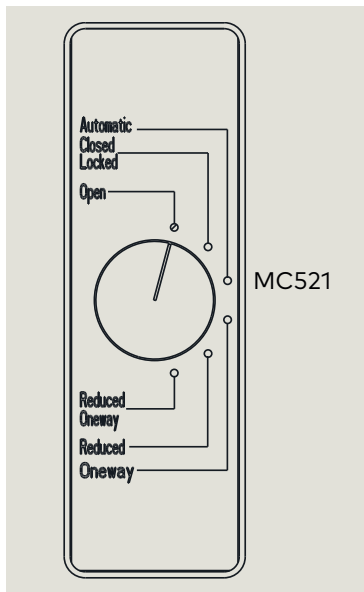
Exit Open door operation	
OFF 	Internal and external activation sensors both active.
ON 	External activation sensor disabled when door is fully closed. Only internal activation sensor will enable door opening.
Partial Open door operation	
OFF 	Door will open to full opening width.
ON 	Door will open to set partial opening width.

Fig. 3.2.2 MC521 switch panel



4 AAADM Safety information label

4.1 ANSI/BHMA A156.10 Safety information label

4.1.1 Safety information label.

ANSI/BHMA label outlines safety checks that should be performed daily on automatic sliding door controlled by an ESII controller.

4.1.2 Safety information label location.

Place label in a protected, visible location on door frame, near switch panel if possible.

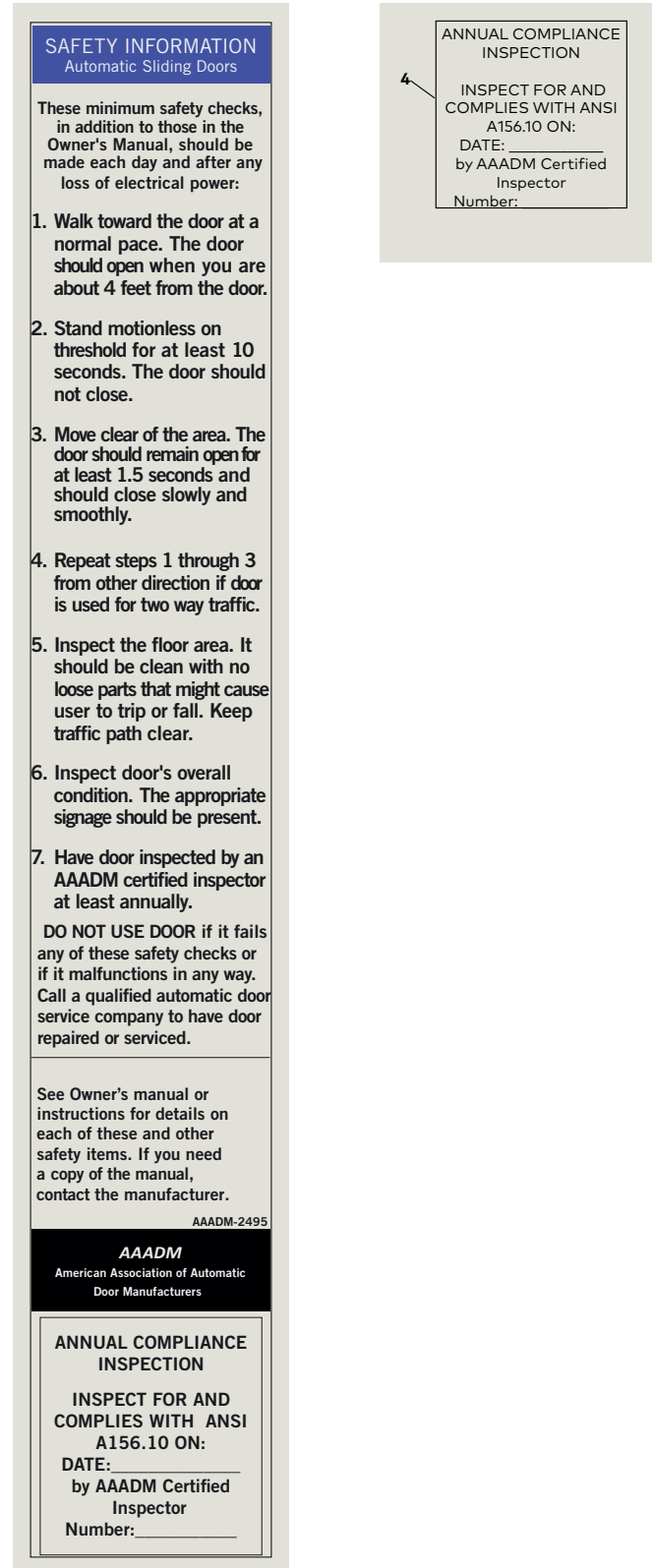
4.1.3 Annual compliance section of label.

This section of label is only completed on low energy swing doors that comply with ANSI/BHMA A156.10, Standard for Power Operated Pedestrian Doors and pass inspection by a AAADM certified dormakaba USA, Inc. technician.

4.1.4 Additional annual compliance inspection labels.

Place additional labels over annual compliance inspection section of safety information label.

Fig. 4.1.1 Safety Information and Annual Compliance Inspection labels



5 Door signage

5.1 Door signage: ANSI/BHMA A156.10: Standard for Power Operated Pedestrian Doors

Table 5.1.1 Label kit

Item	Description
1	Decal, Emergency Push to Open
3	Decal, Auto/Caution/Door
4	Decal, AAADM, Safety, F.E. slide
5	Decal, Do Not Enter / Up Arrow
6	Decal, Do Not Enter
9	Decal, Automatic Door
11	Decal, Activate Switch to Operate
13	Safety information label
15	Decal, Stand Clear

Fig. 5.1.1 Label kit

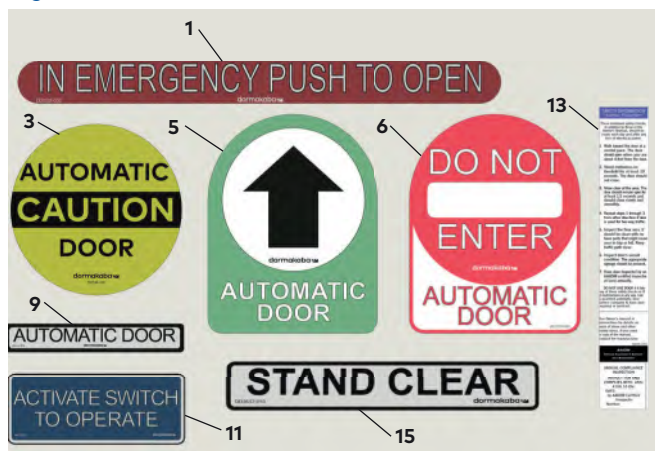
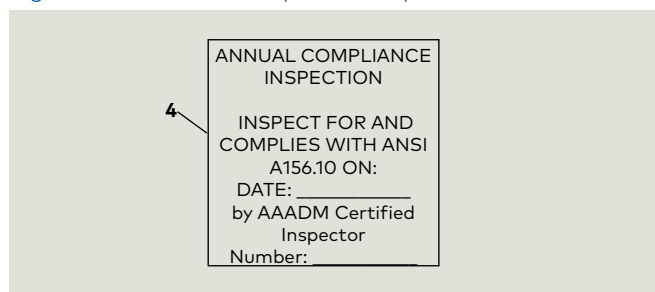


Fig. 5.1.2 Annual Compliance Inspection label



5.1.1 Door signage

Sliding doors are supplied with door sign decals to alert and instruct pedestrian traffic in operation and function of door.

Method of activation determines combination of decals required. Not all decals will be used in every application. Safety signs are specified in ANSI A156.10, American National Standard for power operated pedestrian doors.

5.1.2 All swinging, sliding and folding doors

1. AUTOMATIC CAUTION DOOR

All sliding doors shall be equipped with signage visible from both sides of door reading: "AUTOMATIC CAUTION DOOR", with letters a minimum of 1/2" [12.7 mm] high.

5.1.3 Sliding doors

2. IN EMERGENCY PUSH TO OPEN

Install with sliding doors with breakout doors and shall be applied to side appropriate for egress. Signs shall have red backgrounds with contrasting letters a minimum of 1" high. Signs shall read horizontally and be located next to lock stile on a centerline 36" minimum and 60" maximum from the floor.

3. STAND CLEAR

Sliding doors that slide alongside an adjacent sidelight or wall shall be equipped with a sign that instructs users to stand clear of the sliding door travel path. The letters shall be a minimum of 1" high on contrasting background and located from 36" to 60" from floor.

4. ACTIVATE SWITCH TO OPERATE

Door shall also have ACTIVATE SWITCH TO OPERATE sign on side of door with knowing act switch. Each sign in 1/2" high minimum letters.

5. AAADM safety information label

This AAADM label outlines safety checks that should be performed daily on automatic sliding door. Place label in a protected, visible location on door frame, near power switch if possible.

6. AAADM annual compliance inspection label



This label is only placed on doors that comply with ANSI/BHMA A156.10 standard and pass inspection.

6 Door signage: Sliding doors

Fig. 6.1 Automatic single slide door with signage for two way traffic control example

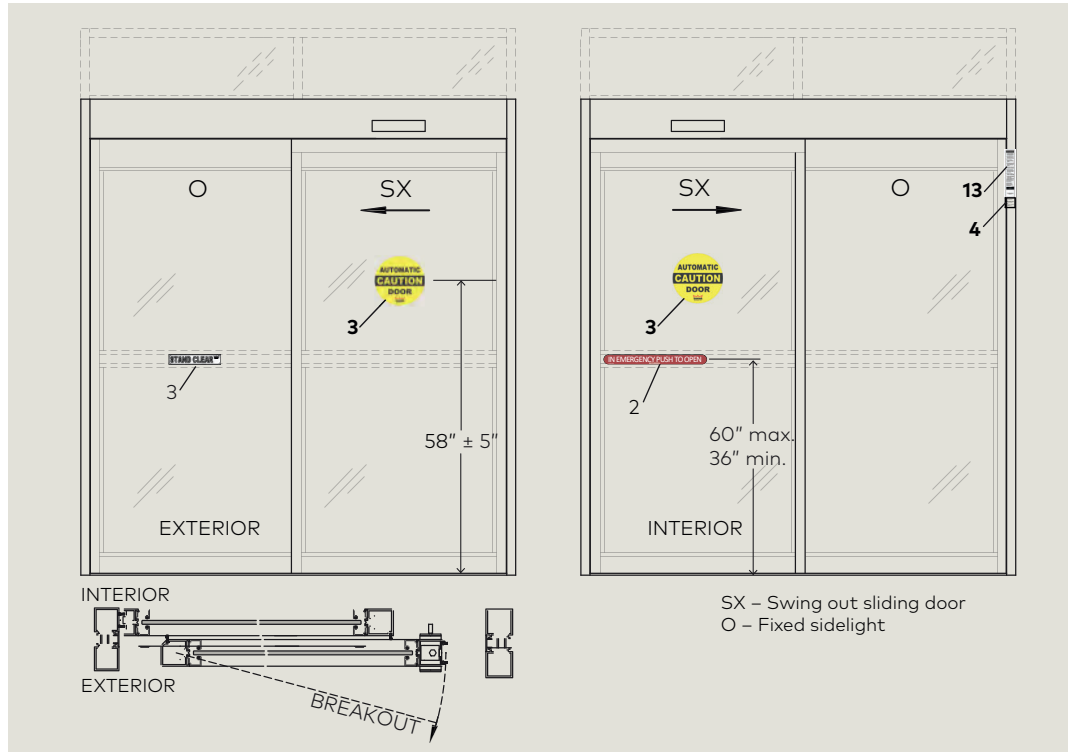
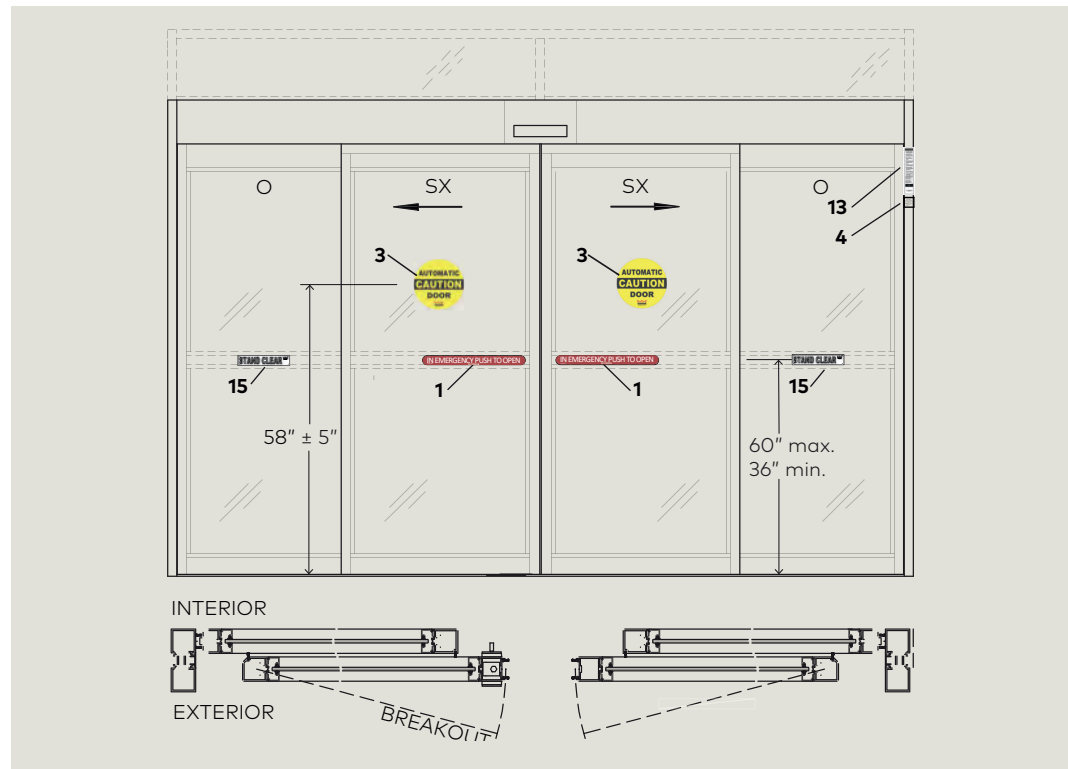


Fig. 6.2 Automatic bi-part slide door with signage for two way traffic control example



7 Daily safety check procedures

7.1 Automatic sliding doors

7.1.1 Review safety related items and perform checks periodically as noted.



TIPS AND RECOMMENDATIONS

Perform these checks while traffic is restricted.

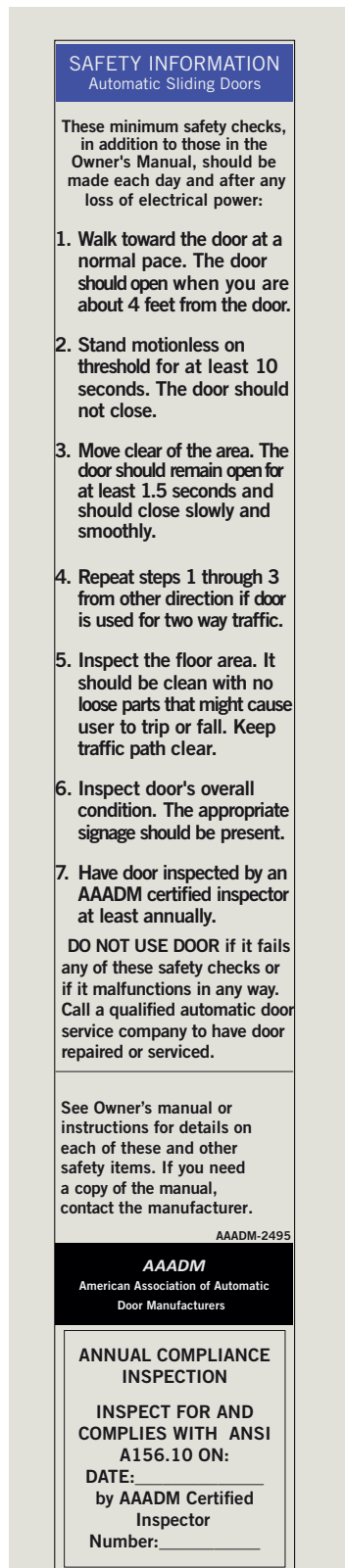
1. Housekeeping
 - Check door area for tripping or slipping hazards.
 - Make sure all hardware and overhead covers are properly secured.
 - There should be no bulletin boards, literature racks, merchandise displays, or other attractions in the door area that would interfere with the use of the door or encourage people to stop and stand in the door area.
2. Check all doors for damage.
3. Door safety signage
 - Refer to Chapter 6 for door safety signage requirements.
4. Perform daily safety checks as outlined on the Safety Information label.



WARNING

If there are any problems, discontinue door operation immediately and secure the door in a safe manner.
Call your local dormakaba USA, Inc. distributor for repair.

Fig. 7.1.1 Safety Information label



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Scan for product details and downloads.
Call 800-523-8483 or visit
automaticsupport.us@dormakaba.com
for assistance or warranty information

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