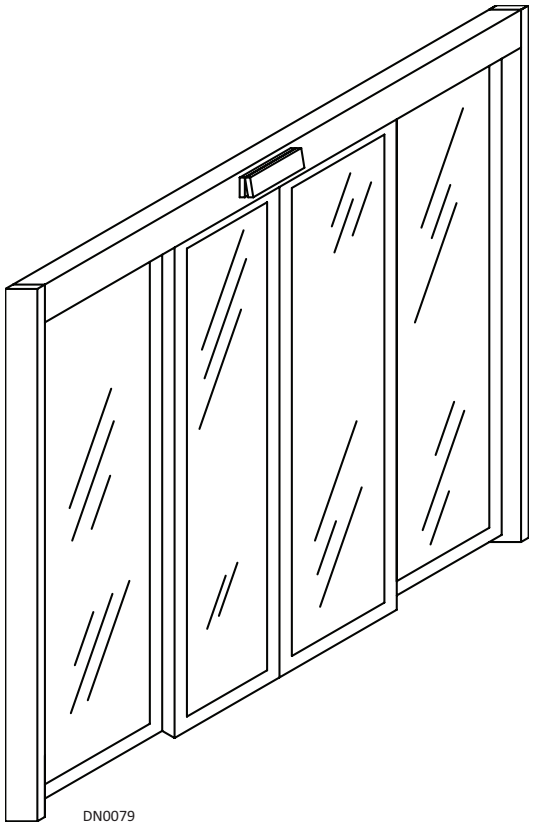
S82 W18717 Gemini Drive; Muskego, Wisconsin 53150
Phone: (877) 622-2694
Fax: (888) 679-3319
www.nabcoentrances.com
Technical Support: (866) 622-8325
NABCO hours of Operation: Monday to Friday 8:00 a.m.- 4:30 p.m. (Central Time)

GT1175 Slide Door

OWNER'S MANUAL

A Founding Member of: AAADM
(American Association of Automatic Door Manufacturers)



WARNING

- Turn OFF all power to the Automatic Door if a Safety System is not working.
- Instruct the Owner to keep all power turned OFF until corrective action can be achieved by a NABCO trained technician. Failure to follow these practices may result in serious consequences.
- NEVER leave a Door operating without all Safety detection systems operational.

Part #C-00109
Rev. 5/19/17

Table of Contents

CHAPTER 1: SAFETY

Please refer to this page in the event that a warning label is displayed within this manual and further definition needs to be explained.

WARNING **Indicates a hazardous situation which has some probability of *severe injury*. It should not be considered for property damage unless personal injury risk is present.**

CAUTION **Indicates a hazardous situation which may result in a *minor injury*. Caution should not be used when there is a possibility of serious injury. Caution should not be considered for property damage accidents unless a personal injury risk is present.**

Notice: **Indicates a statement of company policy as the message relates to the personal safety or protection of property. Notice should not be used when there is a hazardous situation or personal risk.**

Note: Indicates important information that provides further instruction.

CHAPTER 2: GENERAL SAFETY RECOMMENDATIONS

WARNING **An improperly adjusted door can cause injury and/or equipment damage.**

WARNING **Safety devices must be installed correctly and operational.**

WARNING **Do Not operate any Slide Door Unit without fully understanding how a Slide Door functions. If you do not fully understand, ask a qualified technician. Failure to do so may result in bodily injury, or property damage and will nullify all warranties.**

Notice: **This manual must be given to and retained by the purchasing facility or end user.**

Notice: **Inspect door operation daily using the Daily Safety Checklist (within this manual and on door) and the Maintenance Checklist (within this manual).**

Notice: **Have door inspected at least annually by an AAADM certified inspector.**

Notice: **An ecologically acceptable disposal of the installation is ensured if the different materials are separated and recycled. No particular measures are required for the protection of the environment. However, the relevant legal prescriptions applicable for the installation site have to be complied with!**

CHAPTER 3: SCOPE

Section 3.1: To the Customer

The purpose of this manual is to familiarize the Owner with proper operation of the door. It is essential that the Owner recognizes the importance of maintaining a door system in compliance with industry standards for safety.

It is the responsibility of the Owner/Caretaker to inspect operation of the door on a daily basis. Daily inspection must be done to ensure safe door operation for use by pedestrians, including (but not limited to) invitees, customers, or employees. This manual covers all GT1175 Slide Doors.

Section 3.2: Objective

This manual provides maintenance instruction, and a daily safety checklist, plus a semi-annual maintenance checklist.

WARNING **Should the door fail to operate as prescribed in the Daily Safety Check, or at any other time for any other reason, DO NOT attempt to repair or adjust the door. Call an AAADM Certified technician. These technicians are trained to service automatic door systems in accordance with ANSI/BHMA A156.10 (Full Energy).**

CHAPTER 4: GETTING STARTED

Section 4.1: Service Availability

Door products are distributed through a nationwide network of authorized suppliers for sales, installation, and service. Immediately contact the Door Manufacturer or the Authorized Door Manufacturer Representative, if service must be performed on an automatic door system.

Section 4.2: Safety Standard Compliance

The automatic door system was designed to comply with the latest operating and safety standards. To ensure continued, safe operation it is important that:

- The door system is maintained in compliance with industry standards.
- Proper decals/labels are applied and maintained on doors.
  - If decals are removed or cannot be read, please call Nabco Entrances at 1-877-622-2694 between 8 am – 4:30 pm Central time to order replacement labels.
- All doors should be checked by an AAADM certified inspector at least annually.

The American Association of Automatic Door Manufacturers, has established a program to certify automatic door inspectors. Through this program, inspectors are trained to check door systems for compliance with the appropriate version of an ANSI standard. In the United States, ANSI Standard 156.10 (Used to cover Full Energy doors) apply.

Section 4.3: Limited Warranty

NABCO Entrances Inc., for its Gyro-Tech product line, provides to its purchasing distributor a limited warranty on the equipment supplied by NABCO Entrances Inc. The warranty is:

> NABCO Entrances Inc. will exchange or repair, F.O.B. the NABCO Entrances Inc. plant any unit component found defective in workmanship and/or material, subject to NABCO inspection, for a period of one (1) year from date of installation. Warranty does not include field service labor. The installing contactor/distributor shall be responsible for installation and field service.

This warranty does not cover loss or damages resulting from causes beyond the manufacturer's control, or misuse, neglect, accident, wind storm, acts of terrorism or acts of God. Warranty is for normal use and service. The warranty will not apply for equipment which has been repaired or altered so as to adversely affect conditions of operation. Warranty will not obligate NABCO for damages resulting from such alterations, misuse, neglect, terrorism or acts of God.

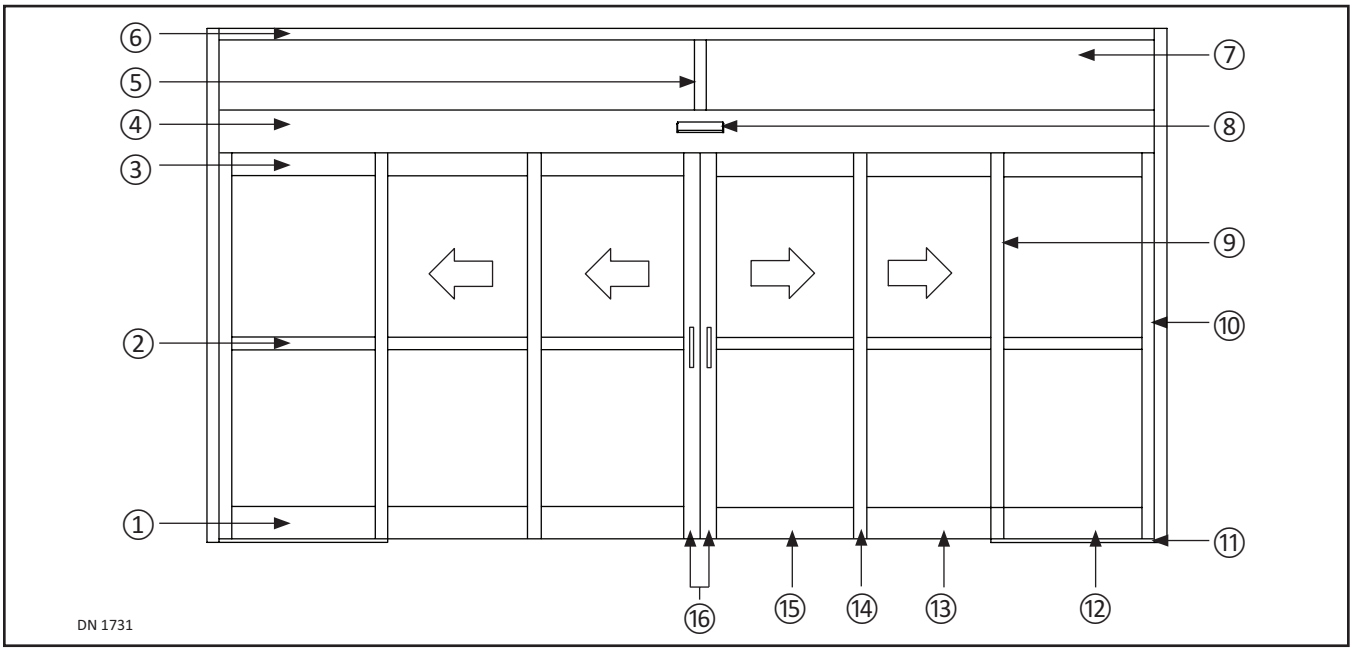
Section 4.4: Information Provided by Door Supplier

Note: To obtain an AAADM Daily Safety Check video, please contact the automatic door supplier.

The Door Supplier must provide the Owner/Caretaker:

- Instruction on how to conduct the Daily Safety Check.
- Location of the Circuit breaker or main power-disconnect for each door system.
- Location of activation Switches and Sensors with instruction of their use.
- Contact number to call for Service.
- Contact number to call for inquiries about the door system, and/or to report concerns.
- An AAADM inspection form, or a Work Order signed by an AAADM certified inspector.
- A completed Annual Compliance Inspection label, located at the bottom of the Safety Information label affixed to the door.
- Warranty information for each door.

Section 4.5: Slide Door Components



1	Bottom Rail	10	Pivot Stile	
2	Muntin Bar	11	Threshold (if used)	
3	Top Rail		**Telescopic**	**Single or Bi-Fold**
4	Header	12	Sidelite (Swing or Fixed)	Sidelite (Swing or Fixed)
5	Transom Vertical (mullion)	13	Trail Door; Breakout capabilities	Lead Door; Breakout capabilities
6	Transom Horizontal	14	N/A	Active Strike Stile
7	Transom	15	Lead Door	N/A
8	Sensor	16	Active/Inactive Strike Stile	N/A
9	Vertical Mullion Stile			

CHAPTER 5: SWITCHES

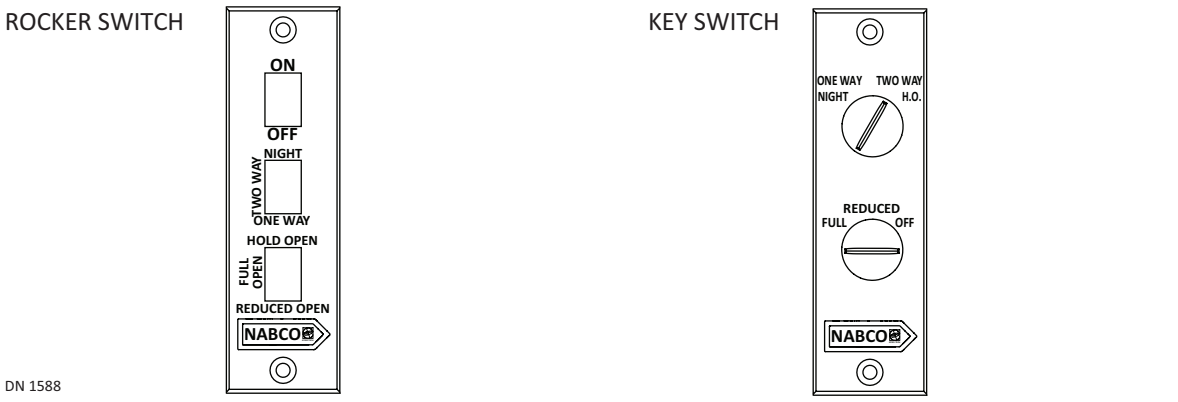


Figure 1 Activation Switches

Rocker Switch and Key Switch	
Switch	**Description**
ON	All signals are accepted and the door is ready for operation.
OFF	▶ Activation signal is not accepted by the Control. ▶ OFF position **does not** shut power OFF. • To shut power OFF, turn OFF the circuit breaker in the building's electric box. ▶ If the Switch is turned OFF in mid cycle, the door may need to be manually closed to its fully closed position. • To do this, gently pull on the edge of door.
TWO-WAY	Both Sensors are activated for Two-Way traffic.
ONE-WAY	▶ The Electric Lock (if installed) will lock the door in the fully closed position. ▶ The signal from the Exterior Sensor will not Open the door. ▶ The Interior Sensor is active and used to allow people to Exit the building. ▶ Both Sensors provide Threshold protection during the door cycle.
NIGHT	▶ The Electric Lock (if installed) will lock the door in the fully closed position. ▶ Neither Sensor will open the door. ▶ Door activation must be generated from a wall switch or a card reader. ▶ Both Sensors then provide Threshold protection during the door cycle.
HOLD OPEN	▶ Door is held Open as long as the Switch remains in the Hold Open position. ▶ Doors should be held Open in this manner. Do Not prop open the doors with any object.
FULL OPEN	Doors are allowed to fully Open.
REDUCED OPEN	▶ Doors open to specification preset during installation. For example: In bad weather or while air conditioning is on, the width of the Opening in the reduced Open Mode is adjustable. ▶ Contact a qualified service technician for adjustment.

CHAPTER 6: SENSORS

The GT1175 Slide Door System can utilze a Sensor that activates the Slide Door with Infrared/Microwave technology, or Infrared technology, depending upon the brand.

- ▶ Sensor with Microwave/Infrared technology: Has a deeper detection zone and accomodates fast traffic conditions.
- ▶ Sensor with Infrared technology: Used to scan backwards to detect pedestrians in the threshold until the Slide door is fully closed.

Section 6.1: Sensor Types

6.1.1 Motion Sensor

Motion Sensors are used to activate the door when it detects a moving object, such as a pedestrian or a shopping cart. Motion sensors can typically distinguish between objects moving toward the door or away from the door. Motion sensors cannot detect still objects such as a person stopped in the Detection Zone.

6.1.2 Presence Sensor

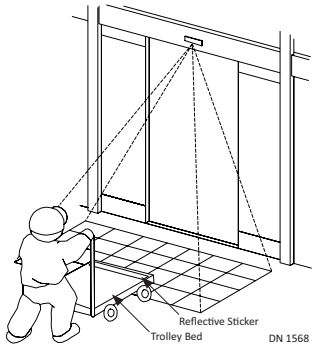
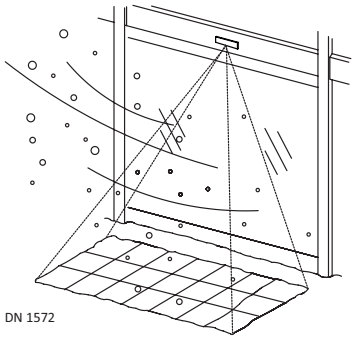
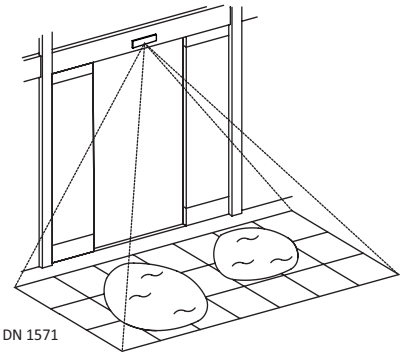
Presence Sensors detect both moving and non-moving objects in the path of the door and signal the Control Unit accordingly. NABCO Entrances utilizes infrared technology in its presence sensors.

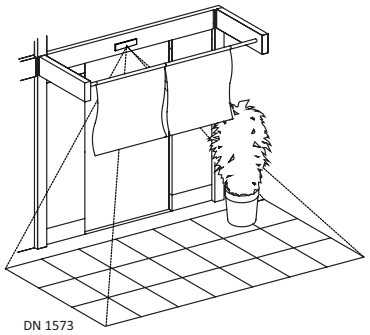
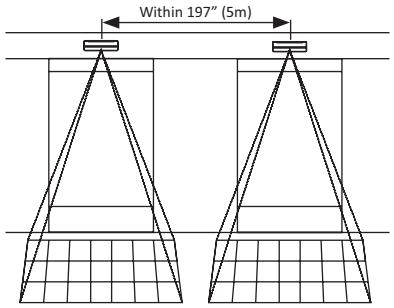
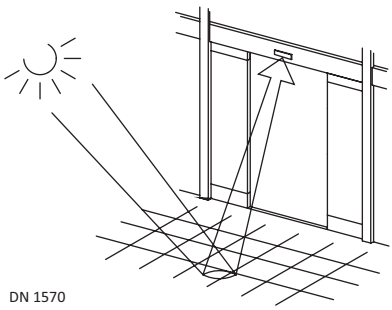
6.1.3 Motion/Presence Sensor

Motion/Presence Sensors provide motion detection, and pedestrain safety.

Section 6.2: Sensor Malfunctions

Table 1 Some (not all) Common cause examples for Sensor Malfunctions

The bed of a trolley: ▶ Is too low to the floor ▶ Surface of cart or trolley is not reflective enough to be detected. (Reflective tape or stickers can help)	
Sensor is exposed to: ▶ Steam ▶ Exhaust fume ▶ Insects ▶ Heavy rain ▶ Heavy snow	
Pool of water located within Presence Detection Zone	

An object placed within the Presence Detection Zone that may be moving within the detection zone (like due to wind).	 DN 1573
Multiple Sensors installed close to each other, or facing each other	 DN 1569
Presence Detection Zone is flooded with: ▶ Strong direct Sunlight ▶ Sunlight reflecting from floor (such as marble, or aluminum floors) ▶ Strong direct artificial light ▶ Artificial light reflecting from floor (such as marble, or aluminum floors) ▶ Lighting fixtures placed too close to the Sensor	 DN 1570

CHAPTER 7: DAILY SENSOR CHECK

The best time to perform a Sensor Safety Check is early in the morning while pedestrian traffic is still restricted from Sensor detection zones. The purpose of a Daily Sensor Check is to ensure pedestrian safety and Owner protection.

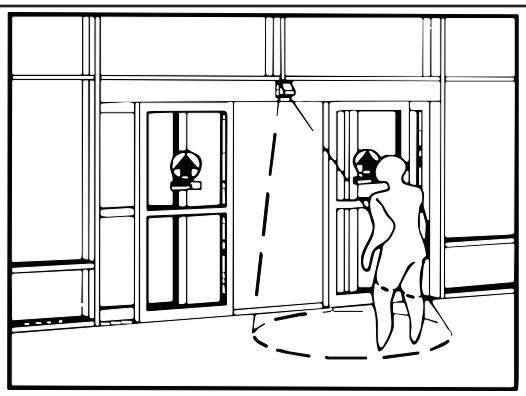
Section 7.1: Detection Zone

1. Observe traffic pattern to the Slide door.
   a. Plan traffic pattern so pedestrians approach the door straight on (not from an angle).
2. At about (12) inches away from the door face, walk parallel towards the center of the door opening.
   a. Ensure the Detection Zone is at least as wide as the door opening.
3. Fully open the Slide door. Crouch motionless in the Threshold for at least (10) seconds.
   a. The door should remain open.

Section 7.1: Two-Way Traffic

1. Go to the Exterior side of Door. Walk toward the Slide door at a moderate speed.
   a. At about (4) feet away, the door should fully open and then stop without impact.
2. Move slowly through the door opening (about 6 inches per second).
   a. The door should remain open.
3. Continue to move slowly through the Detection Zone.
   a. The door should remain open.

4. Walk out of the Detection Zone.
   a. After a brief time delay (at least 1-1/2 seconds), the door should fully close without impact.
   b. Slide doors must be adjusted if they close (1) foot per second or faster.
5. Go to the Interior side of Door. Repeat steps.



DN 1729

Figure 2 Walk through Detection Zone

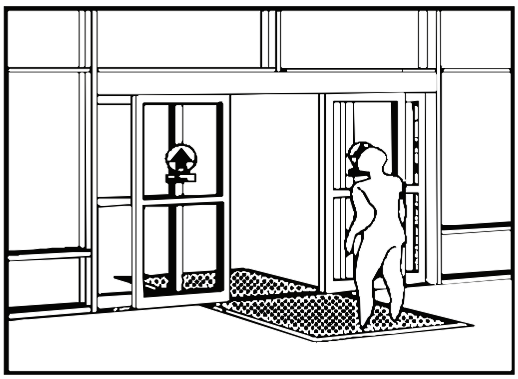
Section 7.2: One-Way Traffic

GT1175 Slide Doors are typically installed with (1) Sensor on each side of the Header. In the event a Slide door is still in the process of closing, and a pedestrian is detected within a minimum of (24) inches from the door, the Inactive Sensor will still provide safety by fully re-opening the door.

1. Go to the Activated Sensor side of Door. Walk toward the Slide door at a moderate speed.
   a. At about (4) feet away, the door should fully open and then stop without impact.
2. Move slowly through the door opening (about 6 inches per second).
   a. The door should remain open.
3. Continue to move slowly through the Detection Zone.
   a. The door should remain open.
4. Walk out of the Detection Zone.
   a. After a brief time delay (at least 1-1/2 seconds), the door should fully close without impact.
   b. Slide doors should be adjusted so they do not close faster than (1) foot per second.

Section 7.3: Floor Mat Activation

Floor Mats are used for Two-Way Traffic and One-Way Traffic. If used for One-Way Traffic the Floor Mat must be installed on the side of door **not intended** for approach. The purpose of the Floor Mat is to hold the door open, or return the door to the open position when approached by a pedestrian from the other side.



DN 1730

Figure 3 Activate Floor Mat

1. Ensure the Floor Mat is in (1) piece and secured with all screws required.
2. Step on the Floor Mat in several places.
   a. Slide door should fully open without impact.
   b. Activating length must extend a minimum of (24) inches from face of door.
   c. Activating width must be the clear opening width less a maximum of (5) inches measured from both sides for a total maximum of (10) inches.
3. Continue to move slowly through the Detection Zone.
   a. The door should remain open.
4. Step off the mat.
   a. After a brief time delay (at least 1-1/2 seconds), the door should fully close without impact.
   b. Slide doors should be adjusted so they do not close faster than (1) foot per second.
5. For more than (1) Floor Mat, repeat steps for each Mat.

CHAPTER 8: DAILY SAFETY CHECK

CAUTION **If the GT1175 Slide Door will not be used for at least (1) month, it is recommended to turn Power OFF to the Unit.**

CAUTION **Any components showing signs of wear must be replaced as a preventive measure.**

CAUTION **For Exterior doors: Salt (used to de-ice) should not be spread in Threshold Channels. Clean salt out of floor tracks ASAP. Salt in floor tracks can disrupt proper door operation.**

Attention: In the event any type of object needs to be removed from the Sensor Detection Zone (vicinity), the Sensor must "relearn" the zone before resuming normal operation.

The best time to perform a Daily Safety Check is early in the morning before pedestrian traffic gets heavy. The purpose of a Daily Safety Check is to maintain proper Slide Door operation and/or detect any abnormal or unusual activity.

1. Remove signs and/or posters from the glass of Slide Door Units.
   a. Any signage posted on glass will obscure pedestrian vision.
2. Remove plants, signs, and/or posters from the Sensor detection zone (vicinity).
   a. Wind blown movement of plants or signage can cause Sensor activation to disrupt proper door operation.
3. Remove bulletin boards, literature racks, merchandise displays, or other attractions from the Sensor detection zone (vicinity).
   a. Stationary objects can cause Sensor activation to disrupt proper door operation.
4. Remove ATM machines, Candy machines, Shopping Carts or other Items from the Sensor detection zone (vicinity), whereby the Sensor can detect peripheral pedestrian activity.
   a. Stationary and/or pedestrian activity can cause Sensor activation to disrupt proper door operation.
5. Pedestrians should not stop or stand within the detection zone (vicinity) of Automatic Door Sensors.
6. DO NOT allow children to play around the Slide Door Unit.
7. Ensure the Rocker switch (or Key switch) is set to "ON" or "Automatic".
8. Ensure the Power Breaker is switched ON.
   a. Do not switch Power Breaker ON and OFF too quickly.
9. Visually inspect the Slide Door Unit for proper operation.
10. Check all glass for cracks or damage.
11. Remove tripping or slipping hazards.
12. Plan a traffic pattern so pedestrians enter and exit through the Slide door in a straight approach, directly toward the center of the door opening.

13. Ensure Full Open Sidelite doors are fully closed. Failure to do so, will disrupt proper door operation.
    a. In the event a Sidelite is ajar, swing open the Sidelite about 2 feet, and then fully close it.
14. Sweep out or vacuum Threshold (if equipped) to remove rocks, dirt and/or debris.
    a. NABCO recommends that associates, maintenance, and personnel be trained to clean Thresholds and Threshold Channels during the daily duties of cleaning the floors.

Figure 4 Operate the Operator Assembly

15. Remove anything that does not belong in the path of a Slide door, or prevents Panic Breakout.
    a. This includes when the Door is broken out.
16. Ensure the Header Cover, and all other hardware is properly secured.
17. Check the motion of the Slide door.
    a. Slide door should slide freely.
18. Tighten Latch Handles, Push Bars or Cart Bars (if equipped), in the event they become loose.
19. Ensure Flush Bolts and Door Latches operate smoothly.
20. Check for damaged or missing Smoke Seals and Brushes (if equipped).

CHAPTER 9: SEMI-ANNUAL MAINTENANCE CHECK

A Semi-Annual Maintenance Check must be done every (6) months by an AAADM certified, and factory trained, and authorized service representative. Under no circumstances should unqualified personnel be allowed to service a Slide Door Unit. Always request proof of qualifications. All adjustments must be done according to ANSI 156.10 Standards.

For detailed information, please refer to the appropriate Slide Door Installation Manual that was shipped with the Slide Door Unit, or download the appropriate Slide Door Installation Manual at: http://nabcoentrances.com/

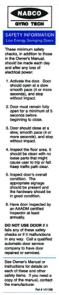
1. Clean Roller Track located within Header.
2. Clean, lubricate & adjust Carrier Rollers.
3. Clean & lubricate Bottom Guide Rollers.
4. Clean & lubricate the Nose Caster (if installed).
5. Test Sensors and adjust accordingly.
6. Test Holding Beams and adjust accordingly.
    a. Holding Beams must be installed within (3) inches from the centerline of the Slide door and remain active from the fully open position to within (6) inches from the fully closed position.
7. Check Drive Belt Tension and Tracking.
8. Check Operator Mounting Bolts. Tighten accordingly
9. Inspect Wire Harnesses for Loose or Frayed Wires.
10. Check operation of the Panic Catch Assembly (if installed) and adjust accordingly.
11. Check operation of the Ball Detent (if installed) and adjust accordingly.
12. Ensure Threshold Channels are clean and free from debris.
13. Ensure Thresholds, and Brackets are securely fastened. Tighten accordingly.
14. Ensure Glass Stops are secure.

15. Closing speed.
16. Manual Breakout Force under (50) pounds (Door in closed position).
17. Adjust Preload to prevent door sag and/or Preload misalignment as required.
18. Adjust Interlocks (if installed) as required.
19. Adjust top and bottom Ball Detents (if installed) as required.
20. Check top and bottom Pivot Assemblies. Clean accordingly.
21. Perform an AAADM Safety Inspection.
22. Ensure the Force used to prevent the Slide door from closing does not exceed (30) pounds. Adjust accordingly.
    a. Force can be measured with a Force Gauge.
23. Ensure Closing Speed is **not more** than (1) foot per second, and **not less** than the minimum time listed within the table shown below:

Nominal Door Opening		Minimum Closing Time to Within (6) inches of Closed
Single	Bi-Part	
	48”	2 Seconds
	60”	2-1/2 seconds
36”	72”	3 seconds
42”	84”	3-1/2 seconds
48”	96”	4 seconds

Measure Closing Speed from the Fully Open position to (6) inches from Fully Closed. Example: A Single Slide door with a nominal opening of (36) inches closes in (2.3) seconds, is closing **too fast** and need to be adjusted accordingly. Whereby, if the same Single Slide door closes in (3.0) seconds, it is in compliance.

CHAPTER 10: SAFETY DECALS

Decal	Description
	Affixed adjacent to the Strike Stile on a center line (36 to 60) inches from the floor, applied to the side of door appropriate for egress.
	Affixed on an adjacent Sidelite or Wall, (36 to 60) inches from the floor.
	Two Sided. Affixed on the Lead Door so the signage is visable from both sides of the door. Same is true for Telescopic Slide Door Units. Do Not affix the Decal on the Trail door.
	Affixed to Door Frame in a visible, protected location.