

Installation Instructions

Combination Door Closer-Holder and Releasing Device WITH and WITHOUT Integral Smoke Detector

CAUTION

An incorrectly installed or improperly adjusted door closer can cause property damage or personal injury. These instructions should be followed to avoid the possibility of misapplication or misadjustment.

Power Track® Series

Primary Unit – PTDO (with detector)

Support Unit - PTO (without detector)

Models

Hinge (Pull) Side of Stop (Push) Side of
Door Application Door Application

7705PTDO

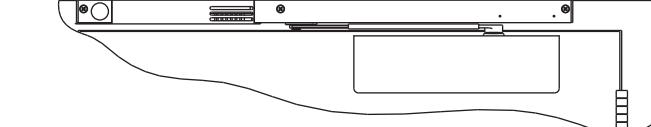
P7705PTDO

7705PTO

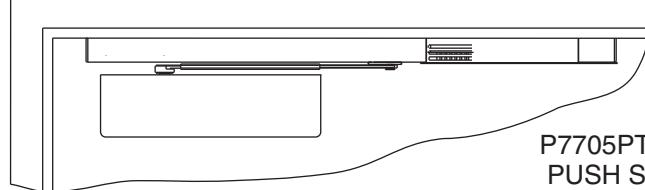
P7705PTO

NOTES: - For wiring of PTDO models, see "PowerTrack®" "Wiring Instructions" No. 80-9342-0902-021

- When used with a PTDO model, PTO unit must be a 24V unit



7705PTDO
PULL SIDE
illustrated
LH – Left Hand Door
RHR – Right Hand Reverse

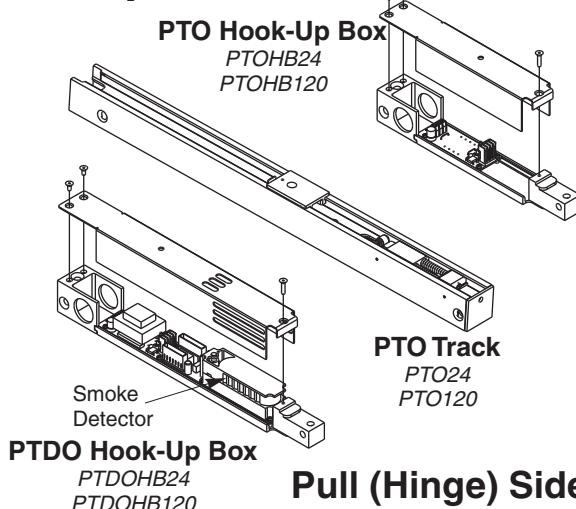


P7705PTDO
PUSH SIDE
illustrated

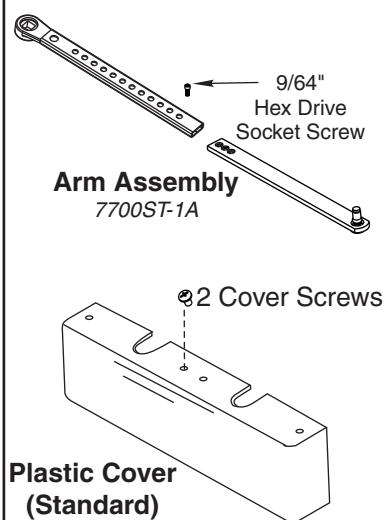
LH – Left Hand Door
RHR – Right Hand Reverse

PTO UNITS NOT SHOWN

Components:

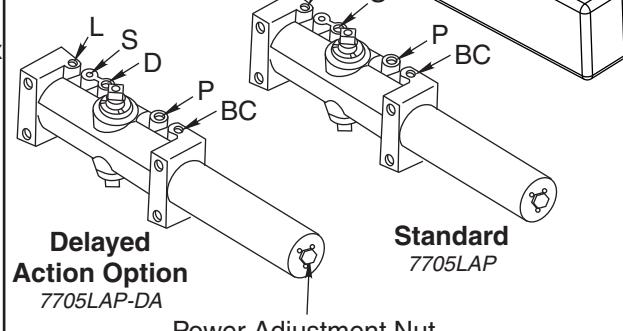
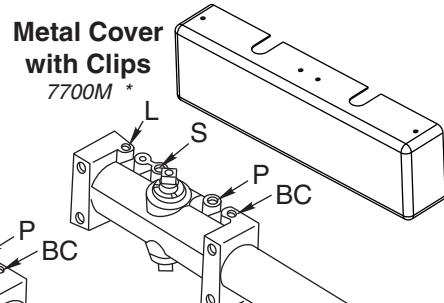


Pull (Hinge) Side



Push (Stop) Side

Preparation for Fasteners			
	Fasteners	Door or Frame	Drill-Sizes
Standard	Self-Drilling Screw	Aluminum or Metal	No drill required
	Wood	3/16" (4.30 mm) Pilot hole required	Drill: #7 (0.201" dia.) Tap: 1/4" - 20
Optional	1/4" - 20 machine screw	Metal	Hollow Metal 9/32" (7 mm) through; 3/8" (9.5 mm) door face opposite to closer
	2 Cover Screws	Aluminum or Wood	3/8" (9.5 mm) through
	Plastic Cover (Standard) 7700P	Through-bolts and grommet-nuts	All 9/32" (7 mm); 3/8" (9.5 mm) dia. x 3/8" (9.5 mm) deep on door opposite to closer



Standard
7705LAP

Power Adjustment Nut

* This cover is only available for PULL SIDE applications.

NOTE:

- For special applications a separate door and frame preparation template is packed with these instructions.
- Use this instruction sheet for installation sequence and closer adjustments only.

- Use of an auxiliary door stop is always recommended.
- Unit must be mounted on interior of building in dry environment, maximum humidity of 95%.
- See NFPA70 for wiring requirements and NFPA72 for alarm system requirements.

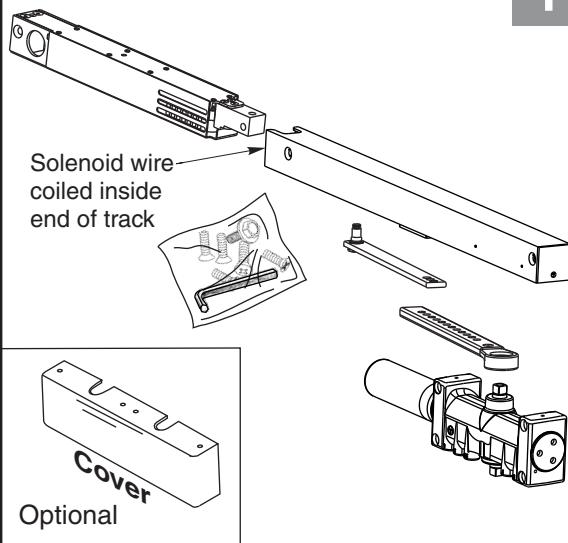
7705PTO/7705PTDO Series

Hinge (Pull) Side Application

Norton®

ASSA ABLOY

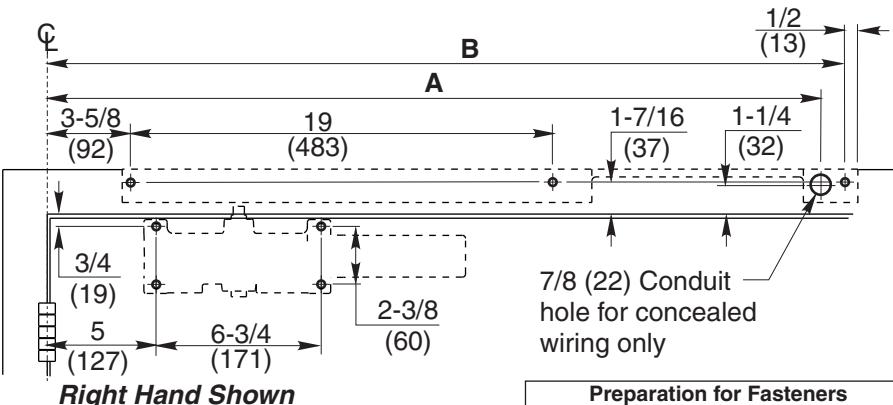
Parts



1

Mark and Drill Holes

2

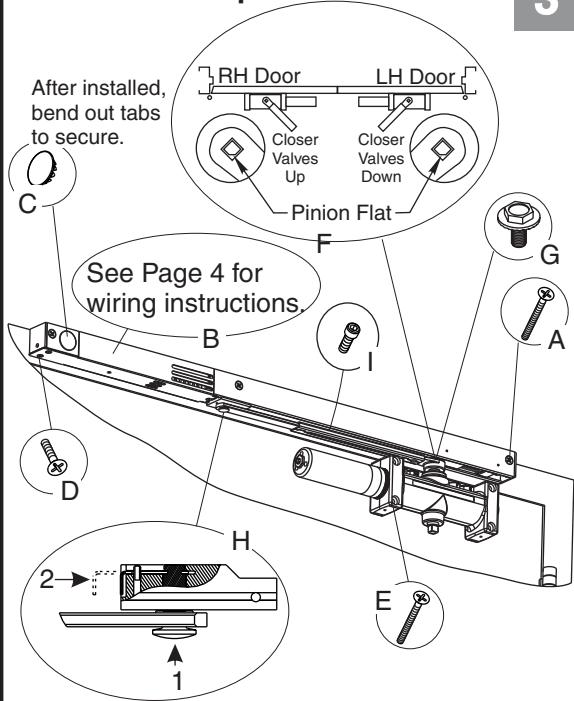


Power Track	Dim. "A"	Dim. "B"
PTO	$31\frac{1}{16}$ (788)	$32\frac{1}{8}$ (816)
PTDO	$34\frac{11}{16}$ (881)	$35\frac{3}{4}$ (908)

Preparation for Fasteners		
Fasteners	Door or Frame	Drill Sizes
Self-Drilling Screw	Aluminum or Metal	No drill required
	Wood (see Note)	3-16" (4.3mm)
1/4"-20 machine screw	Metal	Drill #7 (.201" dia) Tap 1/4"-20
Note: Wood doors/frames MUST have pilot hole when using Self-Drilling Screws.		

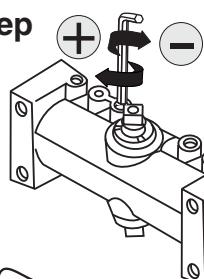
Installation Sequence

3



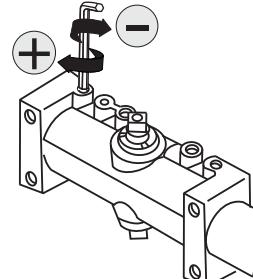
Sweep

4



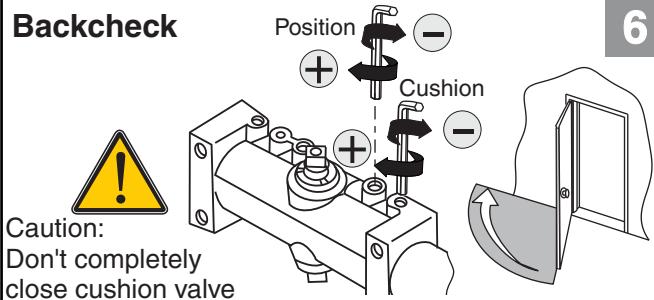
Latch

5



Backcheck

6



Hold Open Angle (Between 85° and 110° only)

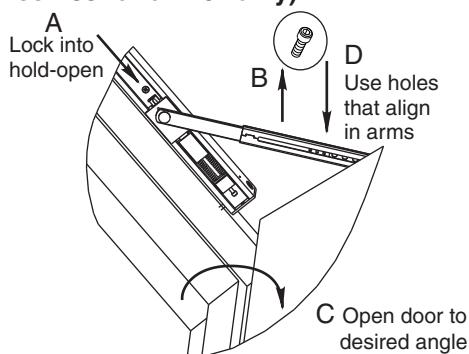
7

Closing Force

8

Optional Cover

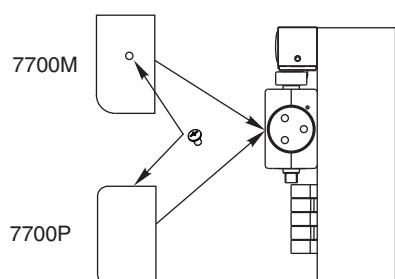
9



Install closer per instructions with proper pre-load applied to arm then adjust spring power. Power adjustment will not work properly if closer spring is not pre-loaded.

Product shipped with closing force set at middle of power range.

DO NOT use a power drill or driver to turn adjustment nut. This will damage closer and void warranty.



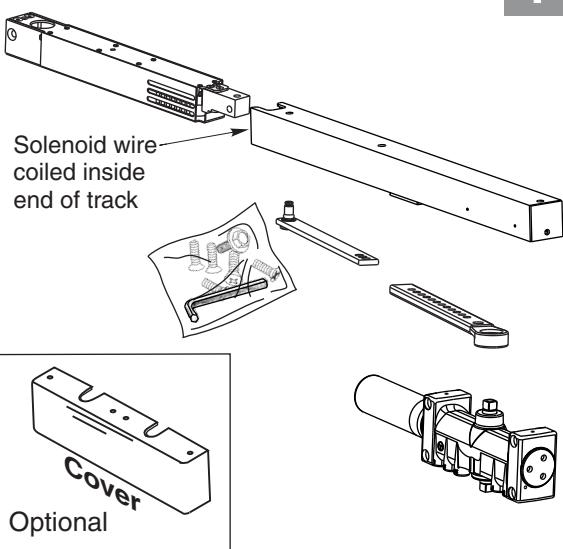
P7705PTO/P7705PTDO Series

Stop (Push) Side Application

Norton®

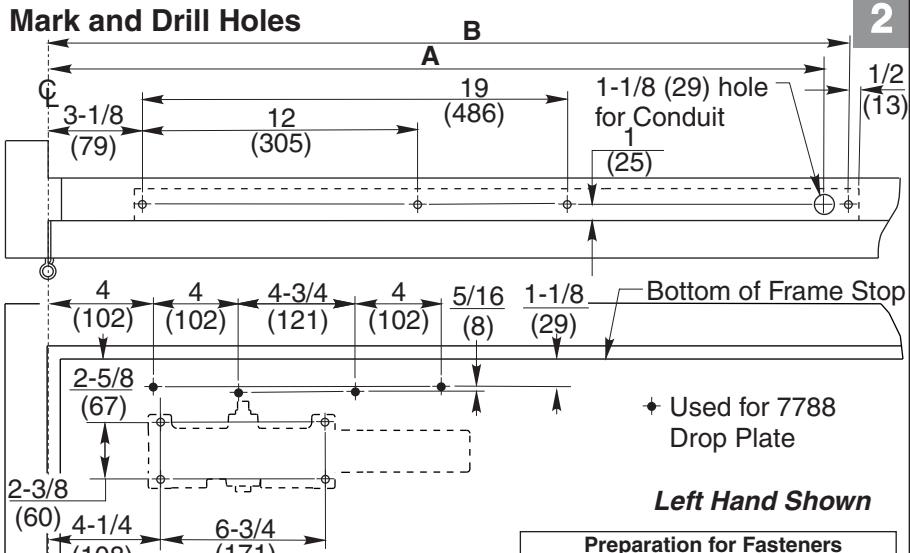
ASSA ABLOY

Parts



1

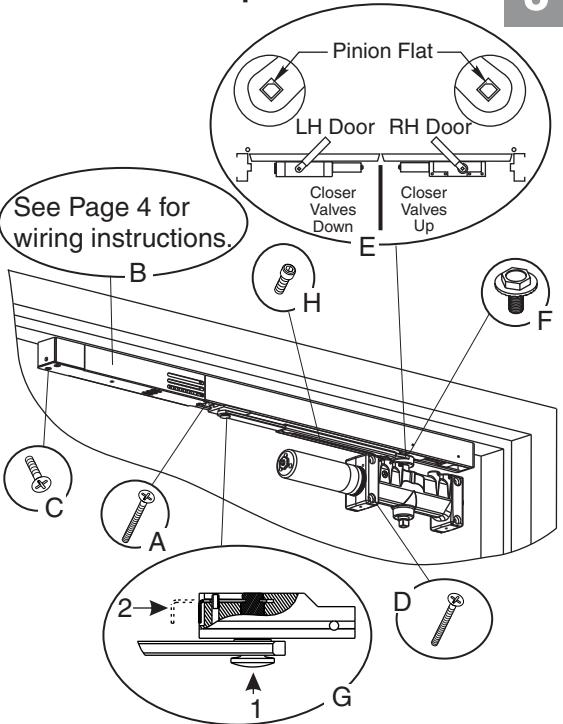
Mark and Drill Holes



2

Installation Sequence

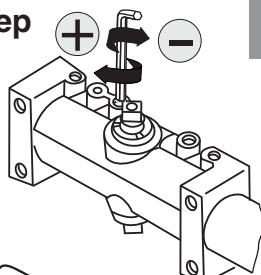
3



Power Track	Dim. "A"	Dim. "B"
PTO	30-9/16 (776)	31-11/16 (805)
PTDO	34-3/16 (868)	35-5/16 (897)

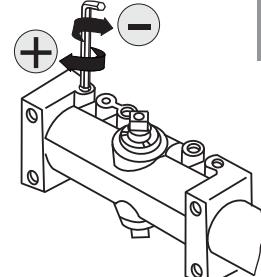
Sweep

4



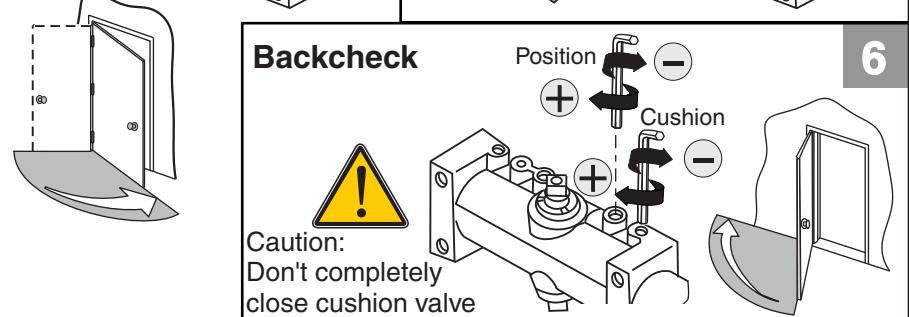
Latch

5



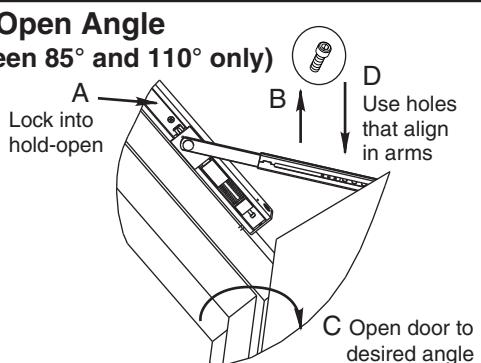
Backcheck

6



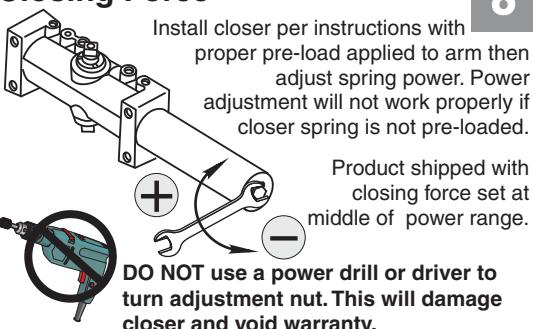
Hold Open Angle (Between 85° and 110° only)

7



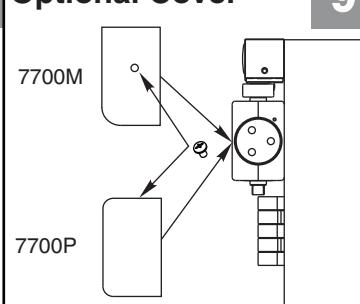
Closing Force

8

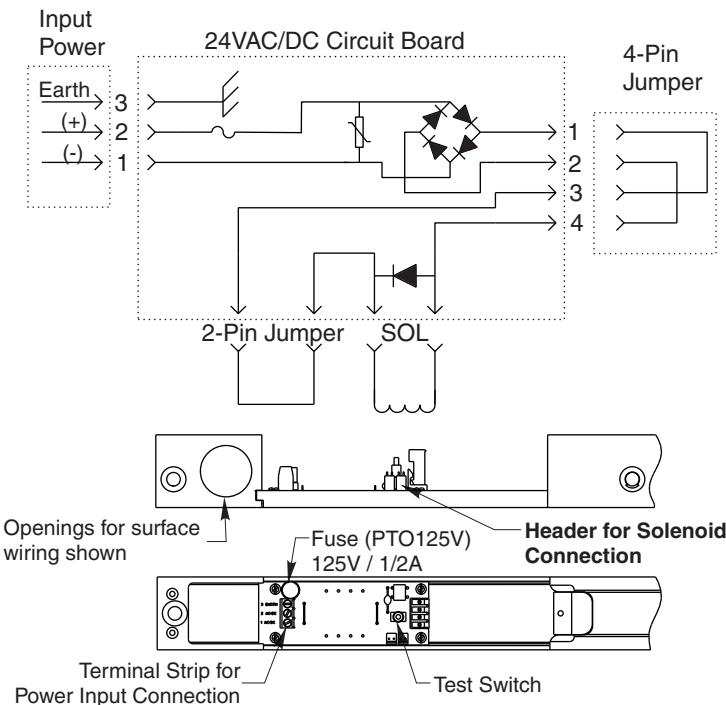


Optional Cover

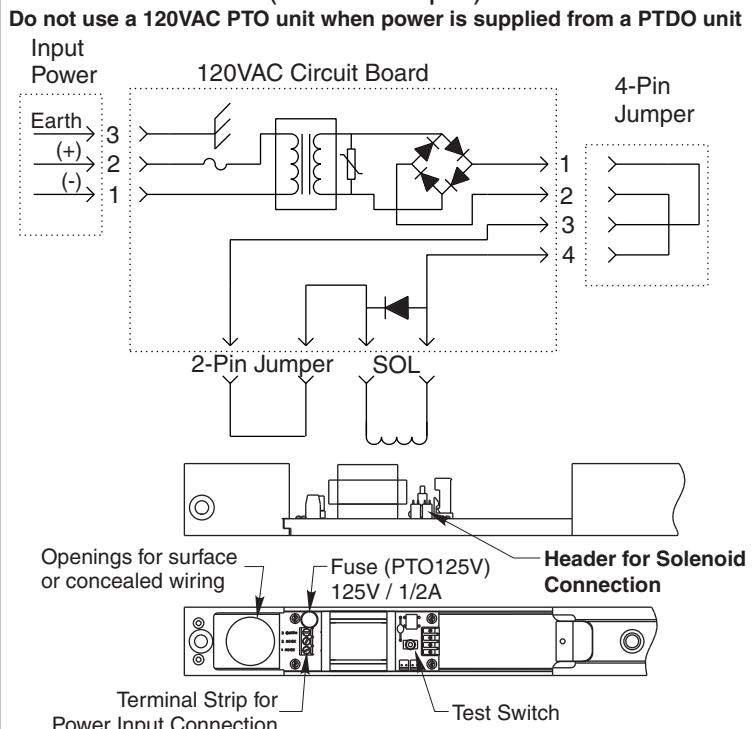
9



PTO Support Unit Wiring Diagram (24VAC/DC Input)



PTO Support Unit Wiring Diagram (120VAC Input)



For PTDO Models:

Refer to Wiring Instructions
No. 80-9372-0904-000 (08-20)
for making wiring connections.

NOTES:

- Maximum wire size is 14AWG.
- All wiring and connections use standard wiring practice conforming with local wiring codes.

IMPORTANT:

Remove solenoid wire from end of track before installing track to frame. Do not pinch or crimp wire. Once track and hook-up box are installed, solenoid wire must be plugged into Header on circuit board shown above.

After making all wiring connections:

- Turn power to unit “ON”. (On Primary (PTDO) unit only, red LED should illuminate once every 15 sec.).
- Track’s hold open force is preset at the factory.
- Open door to hold-open position. Manually pull door out of hold-open and release...door should close. If arm does not release from hold-open, increase the releasing force by turning the screw accessible thru the end cap of the track using the 9/64" hex wrench provided.

ELECTRICAL DATA

	120VAC	24VAC	24VDC	Detector
Voltage	120V 132V Max 102V Min	24V 26.4V Max 20.4V Min	24V 26.4V Max 20.4V Min	24V 26.4V Max 20.4V Min
Current	.036 Amps	.059 Amps	.074 Amps	0.034 Amps

• Again, open door to the hold-open position. Depress “**Test Switch**” button on the hook-up board (accessible through cover)...door should close. If arm does not release, see previous step.

Installation of Cover:

- **Plastic Cover (7700P):** Slide cover insert into the un-used cutout in cover. Install cover using screws provided.
- **Metal Cover (7700M):** Fasten cover to mounting clips with screws provided.

Norton Technical Product Support:

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nortondoorcontrols.com

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