MUTO Premium
XL80 Telescopic - Ceiling Mount with Sidelites
with Moving Floor Guide
Dormotion (DM) optional

Installation instructions
936043 – 04-2019
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   4.12 Adjustment end stop location:
      LEADING end stop
      TRAILING end stop
   4.13 Securing the cable to the QMP cable clamp
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   4.15 QMP track cover and end caps
   4.16 SMP cover profile
   4.17 Cover profile for passage
   4.18 Cover clips
   4.19 Cover spacers
   4.20 Install brush profile
   4.21 Secure system cover

4.12 Adjustment end stop location:
   LEADING end stop
   TRAILING end stop

4.13 Securing the cable to the QMP cable clamp

4.14 Install DORMOTION start/stops into QMP track (optional)

4.15 QMP track cover and end caps

4.16 SMP cover profile

4.17 Cover profile for passage

4.18 Cover clips

4.19 Cover spacers

4.20 Install brush profile

4.21 Secure system cover

4.12 Adjustment end stop location:
   LEADING end stop
   TRAILING end stop
1 Technical specifications

1.1 Overview

These instructions are for installation of MUTO Premium XL80 Telescopic panels for the following mounting and style versions:

1. Ceiling mount with Sidelite

1.1.1 General information

- dormakaba requires use of tempered laminated or tempered monolithic glass.
- dormakaba glass hardware is not suitable for harsh environment; for example, applications where chemicals (e.g. chlorine) are used such as indoor swimming pools, saunas, or salt-water pools.
- Never move sliding panels faster than walking speed and always stop the door manually before it reaches end position.
- Do not slide doors with excessive force. Ensure proper installation of limiting stop to prevent door from opening too far.

1.1.2 Intended use

- For sliding doors in dry indoor areas only.
- For manual slow opening and closing only.

1.1.3 Glass requirements/fittings/mounting

- The substructure/wall must be able to bear permanent loads, be level (max. tolerance: 1/16" [2] per 39" [1m]).
- Fasteners must be sufficiently dimensioned for the substructure/wall and weight of the door.
- When adjusting glass components, always stick to the required clearance for the respective hardware. Adjust clearance so glass does not come in contact with any hard surfaces such as glass, metal or concrete.
- Do not use excessive force when installing the glass (avoid over tightening screws.)

1.1.4 Requirements for glass panel

- dormakaba requires use of fully tempered glass, which complies with ASTM C 1036 and ASTM C 1048. Secondary heat soaking processes are recommended but not required. This applies to both tempered monolithic and tempered laminated glass.
- Clamping area must be flat and uncoated (no self-cleaning coating!)
- Never use glass with conchoidal fractures and/or damaged edges.

1.1.5 Safety instructions

- Installation requires two people.
- Always wear protective clothing.

- Only properly qualified and specially trained staff are authorized to mount dormakaba glass hardware.
- Due to crushing hazards and possible injury caused by breakage of glass during mounting, corresponding protective clothing (especially gloves and protective goggles) is required.
- Never clamp metal fitting hardware directly to glass surface.

1.1.6 Symbols used - Safety/Installation

**CAUTION**

Mounting components must meet the requirements of substructure/wall and door weight. Please read the technical information for fittings.

**WARNING**

Risk of breaking glass. When installing the door, support the door panel with a block of wood or similar object.

**TIPS AND RECOMMENDATIONS**

Information note

**CLOSING EDGE OF DOOR**

1.1.7 Maintenance, care, repair

- Immediately replace damaged parts.
- Always use original dormakaba parts.
- Clean clamping area with alcohol-based standard commercial cleaning agent before mounting the glass hardware.
- Use a damp cloth for occasional cleaning.
- Always use silicone - and oil-free cleaners (e.g. acetone).
- Check glass hardware at regular intervals for proper positioning, smooth operation and correct adjustment.
- High traffic door systems require inspection by properly qualified staff (specialized companies or installation firms.)

1.1.8 Disposal

Disposal in accordance with local, state and national regulations.
1.2 Specification - technical data

<table>
<thead>
<tr>
<th></th>
<th>2 panels</th>
<th>4 panels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceiling mount</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Door leaf weight lbs [kg] *</td>
<td>2 x ≤176 lbs [2 x ≤80]</td>
<td>4 x ≤176 lbs [4 x ≤80]</td>
</tr>
</tbody>
</table>

* Including weight of auxiliary hardware.

---

**LEGEND**

SMP  Slow moving panel

QMP  Quick moving panel

1.3 Tempered laminate glass (TLG) and adhesive specifications

<table>
<thead>
<tr>
<th>Required parts for laminate glass with MUTO System (not included)</th>
<th>Part Number</th>
<th>Quantity</th>
<th>Usage recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td>3M™ Scotch-Weld™ Urethane Adhesive, DP 605 NS</td>
<td>934.800</td>
<td>1 tube</td>
<td>1 tube per 4 roller carriers</td>
</tr>
<tr>
<td>3M™ Scotch-Weld™ EPX™ Plus II Applicator with 1:1 Plunger ²</td>
<td>934.801</td>
<td>1 applicator</td>
<td>1:1 plunger with 934.800 adhesive</td>
</tr>
<tr>
<td>3M™ Scotch-Weld™ EPX™ Plus II Mixing Square Nozzle, 5.3mm ³</td>
<td>934.805</td>
<td>Pk of 4</td>
<td>4 nozzles per 1 tube of adhesive</td>
</tr>
<tr>
<td>MUTO TLG gasket set</td>
<td>807.640</td>
<td>1 set</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Handling time frame</th>
<th>Function</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Working life (time between application and clamping of carrier)</td>
<td>5 minutes @ 75°F</td>
</tr>
<tr>
<td></td>
<td>Handling strength</td>
<td>20 minutes @ 73°F or more</td>
</tr>
<tr>
<td></td>
<td>Full cure time (normal door usage not recommended until full cure time has been met)</td>
<td>48 hours @ 73°F or more</td>
</tr>
</tbody>
</table>

NOTE: Door glass should not be installed until the full cure time as been reached (see chart above).

1.1 Clean clamping area with alcohol-based standard commercial cleaning agent before mounting the glass hardware.

Important safety-related information for the mounting and use of dormakaba glass hardware.

1.2 Never clamp metal fitting hardware directly to glass surface.

1.3 Never use clamping products on surfaces with self-cleaning coatings.

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2 Scotch-Weld™ EPX™ Plus II Applicator with 1:1 Plunger is a trademark of 3M.

3 Scotch-Weld™ EPX™ Plus II Mixing Square Nozzle is a trademark of 3M.
2 Installation preparation

Fig 1

Overall

1.1 Cover
1.2 Brush strip
1.3 Quick Moving Panel track
1.4 End stops (x4)
1.5 Slow Moving Panel track
1.6 Cover clips
1.7 Start/stop (x2) (optional)
1.8 Cover profile for Slow Moving Panel
1.9 Cover profile for passage
1.10 SMP Roller carriers (x2)
1.11 Dormotion unit (optional)
1.12 Simultaneous drive
1.13 Floor guide
1.14 Moving floor guide
1.15 Quick Moving Panel clamp
1.16 QMP Roller carriers (x2)
1.17 QMP glass clamp end caps (x2)
1.18 Sidelite section profile
1.19 Filler panel
1.20 U-channel
1.21 U-channel gaskets
1.22 Sidelite glass gasket
1.23 Cover spacers (x2)
## 2.2 Door/wall dimensions

### 2 panel - Right (shown) or Left hand opening

<table>
<thead>
<tr>
<th>Item</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear opening height (CH)</td>
<td>1-3/16&quot;</td>
</tr>
<tr>
<td>Clear opening width (CW)</td>
<td>1-3/16&quot;</td>
</tr>
<tr>
<td>Slow moving panel (SMP)</td>
<td>1-3/16&quot;</td>
</tr>
<tr>
<td>Quick moving panel (QMP)</td>
<td>1-3/16&quot;</td>
</tr>
<tr>
<td>Fixed panel (FP)</td>
<td>1-3/16&quot;</td>
</tr>
</tbody>
</table>

### 4 panel - Bi-parting opening

<table>
<thead>
<tr>
<th>Item</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear opening height (CH)</td>
<td>1-3/16&quot;</td>
</tr>
<tr>
<td>Clear opening width (CW)</td>
<td>1-3/16&quot;</td>
</tr>
<tr>
<td>Slow moving panel (SMP)</td>
<td>1-3/16&quot;</td>
</tr>
<tr>
<td>Quick moving panel (QMP)</td>
<td>1-3/16&quot;</td>
</tr>
<tr>
<td>Fixed panel (FP)</td>
<td>1-3/16&quot;</td>
</tr>
</tbody>
</table>

Technical specifications:

- Door/wall dimensions
- Fixed panel (FP)
- Slow moving panel (SMP)
- Quick moving panel (QMP)
- Back of track to center of mounting hole in track: 3-11/16" [85]
- Bottom of glass to floor: 3/8" [10] and 9/16" [14]

Dimensions in [ ] indicate millimeters.
3 Installation instructions - Slow moving panel (SMP)

3.1 Installing end stops in SMP

Fig 2

3.1.1 Slide end stops into each end of the SMP track.

NOTE: Loosen bottom section of end stop for easier install.

NOTE: Exact location/adjustments will be determined in the Adjustment End Stop Location step.

3.2 Securing gasket to SMP track

Fig 3

3.2.1 Ensure the SMP track is cut to proper length.

NOTE: SEE DIMENSION INSTRUCTIONS ON PAGE 9.

3.2.2 Cut adhesive gasket equal to sidelite glass width.

3.2.3 Adhere gasket along bottom edge of back of track.
### 3.3 Securing sidelite section profile to SMP track

**Fig 4**

3.3.1 Align sidelite profile holes with SMP track profile holes.  
**NOTE:** Holes will be predrilled every 7-7/8" [200].

3.3.2 Secure with 9/16" (14) fasteners provided.  
**NOTE:** Be sure fastener heads are flush with track to avoid rollers catching protruding fasteners.

### 3.4 Specifications for securing track to mounting surface

3.4.1 Ensure track is properly level and secure it to the header mounting surface per the appropriate measurements on the following page.  
**NOTE:** SEE DIMENSION INSTRUCTIONS ON PAGE 6 FOR REFERENCE.

3.4.2 Use appropriate fasteners according to the following recommendations.

**NOTE:**  
**OVERHEAD REINFORCEMENT:**

The overhead reinforcement must be a minimum of ¼" [6] x 3" [76] steel angle, 16 gauge metal stud with wood blocking, or two pieces of 1-1/2" [38] thick wood blocking (double stacked), secured to studs or joists on a maximum 16" [406] centers for the length of the track. The overhead reinforcement may be flush on the overhead surface or on the interior of this surface.

Track mounting screws must fully penetrate the steel angle, metal stud, or at a minimum of 2" [51] into wood blocking, utilizing the predrilled holes in the MUTO track.

Consult with a structural engineer to determine if reinforcement is adequate for your specific application or to meet specific codes in your location.
3.5 Installing U-Channel for sidelite

Fig 5

3.5.1 Install gaskets as shown. Trim to correct length.
3.5.2 Secure u-channel to floor using appropriate fasteners.

NOTE: Ensure u-channel is plumb and the back of the U-channel profile aligns with back of sidelite profile.
NOTE: Gaskets are pre-installed.

3.6 Installing sidelite glass

Fig 6

3.6.1 Place setting blocks into u-channel.
3.6.2 Spray inside of u-channel with glass cleaner.
3.6.3 Lift glass up and into sidelite profile.
3.6.4 Lower glass into u-channel.
3.6.5 Ensure there is 1/8" [3] gap between wall and edge of sidelite glass.
3.6.6 If using tempered laminated glass, gently press glass against u-channel gasket, and dispense silicone along full length of non-gasket side of u-channel.
3.7 Installing sidelite glass filler panel

3.7.1 Fit filler panel between empty section of track and sidelite profile, on door side.

3.8 Installing sidelite glass gasket

3.8.1 Cut gasket to length.  
3.8.2 Press gasket in between sidelite glass and sidelite profile.
3.9A Installing roller carriers: on SMP monolithic glass ONLY

Fig 9

DETERMINE THE LEADING (X) VERSUS TRAILING (Z) EDGE OF THE GLASS.
"LEADING IS SIDE CLOSEST TO LATCH CLOSED."

*ENSURE CARRIERS ARE SECURED TO CORRECT SIDE OF GLASS.*

---

### Torque values

<table>
<thead>
<tr>
<th></th>
<th>XL80</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>5 ft lbs (6 Nm)</td>
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### Roller location on glass

<table>
<thead>
<tr>
<th></th>
<th>XL80</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMP X</td>
<td>2-3/8&quot; [60]</td>
</tr>
<tr>
<td>SMP Z</td>
<td>2-3/8&quot; [60]</td>
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</tbody>
</table>

### Hex key size

<table>
<thead>
<tr>
<th></th>
<th>XL80</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>3mm</td>
</tr>
</tbody>
</table>

---

**Legend**

- Closing edge of door

---

NOTE: FULLY CLEAN SURFACE OF GLASS WITH AN ALCOHOL-BASED MILD GLASS AND SURFACE CLEANER.

ENSURE GASKET IS FREE OF DEBRIS.

ENSURE ROLLER CARRIER WHEELS ARE FREE OF DEBRIS.

---

3.9A.1 Slide SMP roller carriers onto glass.

3.9A.2 Slide glass gasket and metal shim between glass and roller carrier.

**NOTE:** Orient with gasket facing the glass.

3.9A.3 Secure roller carriers to glass at 5 ft lbs (6 Nm).
### 3.9B Installing roller carriers: on SMP tempered laminate glass ONLY

**Fig 10**

**NOTE:** THE RECOMMENDED ADHESIVE’S SET-UP TIME IS 20 MINUTES FOR THE DUO-PAK CARTRIDGES.

**NOTE:** USE 1:1 RATIO PLUNGER WITH THE 3M™ Scotch-Weld™ Urethane Adhesive.

**NOTE:** FULLY CLEAN SURFACE OF GLASS WITH AN ALCOHOL-BASED MILD GLASS AND SURFACE CLEANER. ENSURE NO DEBRIS IS ON THE GASKET.

**NOTE:** ENSURE ROLLER CARRIER WHEELS ARE FREE OF DEBRIS.

#### 3.9B.1 Send SMP carriers onto glass.
#### 3.9B.2 Replace existing gasket with TLG gasket.
#### 3.9B.3 Slide laminated glass gasket and metal shim between glass and roller carrier.

**NOTE:** Orient with gasket facing the glass.

#### 3.9B.4 Replace existing set screws with vented set screws.
#### 3.9B.5 Tighten vented set screws at 4 ft lbs (5Nm).

**NOTE:** Onto scrap material, first dispense approximately 12” of 3M™ Scotch-Weld™ Urethane Adhesive prior to application to prevent mixing errors and ensure optimal hardening.

### Torque values

<table>
<thead>
<tr>
<th></th>
<th>XL80</th>
<th>SMP</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>4ft lbs</strong></td>
<td>[5Nm]</td>
<td></td>
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</tbody>
</table>

### Hex key size

<table>
<thead>
<tr>
<th></th>
<th>XL80</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3mm</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Roller location on glass

<table>
<thead>
<tr>
<th></th>
<th>XL80</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2-3/8” [60]</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Legend**

- Closing edge of door

**NOTE:** Keep glass flat during curing process.

**NOTE:** See chart in Specifications section for appropriate curing time.
### 3.10 Adjust roller carrier wheels

**Fig 11**

- **3.10.1** If more clearance is required between wheel and track, adjust accordingly.
- **3.10.2** Loosen wheel adjustment screw.
- **3.10.3** Slide wheel up or down to adjust.
- **3.10.4** Retighten wheel adjustment screw.

#### Hex key size

<table>
<thead>
<tr>
<th>Wheel adjustment screw</th>
<th>XL80</th>
<th>3mm</th>
</tr>
</thead>
</table>

### 3.11 Disengage the anti-jump

**Fig 12**

- **3.11.1** Disengage the anti-jump on SMP roller carrier.
- **3.11.2** Using a hex key, push anti-jump adjustment screw IN and turn **COUNTER-CLOCKWISE** 90° to disengage anti-jump.

#### Hex key size

<table>
<thead>
<tr>
<th>Anti-jump adjustment screw</th>
<th>XL80</th>
<th>3mm</th>
</tr>
</thead>
</table>
3.12 Assemble simultaneous drive

3.12.1 Assemble cable as shown above in Figures 1-4.

3.12.2 Measure and cut cable.

\[ \text{Cable length} = (\text{SMP door width} \times 2) + 39" \] [991]

\[ \text{NOTE: MANUALLY DOUBLE CHECK CABLE LENGTH BEFORE CUTTING.} \]

3.12.3 Loop cable assembly around SMP carriers as shown.

3.12.4 After cable is looped around, feed free-end through open side of bracket.

3.12.5 Secure free-end of cable inside bracket.

* Fully tighten to 2.2ft lbs [3Nm].

3.12.6 Fully tension cable via nut on inside of bracket.

* To tighten: rotate wrench CLOCKWISE.

3.12.7 Tighten outside nut to lock into place.

To tighten: hold inside nut with one wrench, rotate second wrench on outside nut COUNTER-CLOCKWISE.
3.13 Secure moving floor guide

**Fig 14**

<table>
<thead>
<tr>
<th>Plate #1</th>
<th>Plate #2</th>
<th>Plate #3 (Adhesive gasket)</th>
<th>Plate #4</th>
<th>Fasteners</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Glass thickness [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot; [10]</td>
</tr>
<tr>
<td>1/2&quot; [12]</td>
</tr>
<tr>
<td>17/32&quot; [13.5]</td>
</tr>
</tbody>
</table>

- Plate #1
- Plate #2
- Plate #3
- Plate #4

- Fasteners
  - 1/2" [12]
  - 5/8" [16]

**Hex key size**

| XL80    | 2mm, 5mm |

- **Plate #1/#2**
- **Plate #3 (Adhesive gasket)**
- **Plate #4**

*Ensure adhesive side faces up.*

**3.13.1 Secure moving floor guide to SMP.**

**3.13.2 Use chart to determine appropriate plate(s) needed for glass thickness.**

**3.13.3 Orient as shown.**
3.14  Install glass/rollers in SMP track

Fig 15

**CAUTION ANTI-JUMP IS DISENGAGED!**

3.14.1 Place SMP glass on setting blocks on floor for stability.

3.14.2 Lift glass and SMP rollers up and rest rollers on SMP track.

*If installing/hanging tempered laminated glass panels, ensure carrier adhesive has cured for 48 hours minimum. See Specifications section for more information regarding cure time.*

ENSURE ROLLERS AND TRACK ARE FREE OF DEBRIS.

3.15  Install floor guide

Fig 16

<table>
<thead>
<tr>
<th>Hex key size</th>
<th>XL80</th>
<th>3mm</th>
</tr>
</thead>
</table>

- **CAUTION ANTI-JUMP IS DISENGAGED!**
  3.15.1 Align centerline of glass with centerline of floor guide.
  3.15.2 Be sure the glass is plumb.
  3.15.3 Mark appropriate floor guide measurements.

- **TEMPORARILY REMOVE GLASS AND ROLLERS FROM TRACK.**
  3.15.4 Pre-drill into mounting surface using a 5/16" drill bit.
  3.15.5 Secure floor guide anchor with included fasteners.
3.16 Install floor guide: continued

3.16.1 SET GLASS AND ROLLERS BACK ONTO TRACK.

3.17 Engaging anti-jump

3.17.1 Engage anti-jump on roller carrier.

3.17.2 Using a hex key, push anti-jump adjustment screw IN and turn CLOCKWISE 90° to engage anti-jump.

3.18 Adjustment door height

3.18.1 Set height of glass door.
3.18.2 Loosen height adjustment locking screws on carrier.

3.18.3 Using appropriate size hex key, turn height adjustment screw CLOCKWISE or COUNTER-CLOCKWISE to raise or lower glass.

NOTE: Be sure glass is level during this adjustment.
3.19 Adjustment end stop
location: LEADING end stop

**Fig 20**

![Diagram showing LEADING end stop location]

**Set end stop location:**
3.19.1 Slide end stop to desired location on track. Bumper should touch edge of roller carrier.

- **Hex key size:**
  - XL80: 2.5mm

- **Note:** Bi-foldering: Be sure there is a 1/4" [6] gap between the right and left hand sets.

**Legend**
- Closing edge of door

---

Adjustment end stop
location: TRAILING end stop

**Fig 21**

![Diagram showing TRAILING end stop location]

**Set end stop location:**
3.19.1 Slide end stop to desired location on track. Bumper should touch edge of roller carrier.

- **Hex key size:**
  - XL80: 2.5mm

- **Note:** Bi-foldering: Be sure there is a 1/4" [6] gap between the right and left hand sets.

**Legend**
- Closing edge of door
4 Installation instructions -
Quick moving panel (QMP)

4.1 Installing end stops in QMP

Fig 22

4.1.1 Slide end stops into each end of the QMP tracks.
NOTE: Loosen bottom section of end stop for easier install.

NOTE: Exact location/adjustments will be determined in the Adjustment End Stop Location step.

4.2 Connecting the doors via the cable bracket

Fig 23

4.2.1 Push both door panels towards the closing edge.
4.2.2 Secure cable bracket with two fasteners through the QMP track at 2 ft lbs [2.5Nm].
4.3 Securing track for QMP

4.3.1 Secure QMP track to SMP track.

4.3.2 Secure included fasteners at 2 ft lbs [2.5Nm].
4.4 Secure clamp profile for QMP

Fig 25

**NOTE: FULLY CLEAN SURFACE OF GLASS WITH AN ALCOHOL-BASED MILD GLASS AND SURFACE CLEANER.**

4.4.1 Add glass gaskets. Trim to proper length.
4.4.2 Secure QMP glass to glass clamp profile.
4.4.3 Tighten all fasteners at 4 ft lbs [5Nm].
  - Do not overtighten pressure plate against glass.
  - Start at center of profile and work outwards.

4.5 Install hook set (less Dormotion)

Fig 26

**Determine the leading versus trailing edge of the glass. “Leading is side closest to latch closed.”**

4.5.1 With rollers facing away from the installer, determine which roller will be leading and which will be trailing.
4.5.2 Secure hook onto roller with open side facing away from the installer.
4.5.3 Secure hook using appropriate-size hex key.
4.6 Installing roller carriers

DETERMINE THE LEADING (X) VERSUS TRAILING (Z) EDGE OF THE GLASS. "LEADING IS SIDE CLOSEST TO LATCH CLOSED."

*CARRIER WITH CABLE CLAMP TO BE SECURED TO TRAILING SIDE OF GLASS.*

<table>
<thead>
<tr>
<th>Torque values</th>
<th>Roller location on glass</th>
<th>Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td>XL80</td>
<td>QMP X 3-1/8&quot; [80]</td>
<td>Closing edge of door</td>
</tr>
<tr>
<td></td>
<td>QMP Z 1-9/16&quot; [40]</td>
<td></td>
</tr>
<tr>
<td>XL80</td>
<td>5 ft lbs [6Nm]</td>
<td></td>
</tr>
<tr>
<td>Hex key size</td>
<td>XL80 3mm</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: FULLY CLEAN SURFACE OF CLAMP PROFILE WITH AN ALCOHOL-BASED MILD GLASS AND SURFACE CLEANER.

ENSURE GASKET IS FREE OF DEBRIS.

ENSURE ROLLER CARRIER WHEELS ARE FREE OF DEBRIS.

4.6.1 Slide QMP roller carriers onto clamp profile.
4.6.2 Slide gasket and metal shim between clamp profile and roller carrier.

NOTE: Orient with gasket facing the clamp profile.

4.6.3 Secure roller carriers to clamp profile at 5 ft lbs (6 Nm).
4.7 Installing DORMOTION unit (optional)

4.7.1 Slide DORMOTION dampener onto clamp profile. **NOTE:** Push triggers facing outward to engage.

4.7.2 Dampener must be flush against leading roller carrier. **NOTE:** Leading carrier is on side of clamp profile closest to latch.

4.7.3 Secure dampener to clamp profile using appropriate-size hex key at 4 ft lbs [5Nm].

4.7.4 Engage triggers: push out towards end of DORMOTION unit.

4.8 Disengaging the anti-jump

4.8.1 Disengage the anti-jump on roller carrier.

4.8.2 Using the appropriate size hex key, push anti-jump adjustment screw IN and turn COUNTER-CLOCKWISE 90° to disengage anti-jump.
4.9 Install glass/rollers in QMP track

Fig 30

**ENSURE ROLLERS AND TRACK ARE FREE OF DEBRIS.**

4.9.1 Place QMP glass on setting blocks on floor for stability.
4.9.2 Lift glass and QMP rollers up and rest rollers on track.

4.10 Engaging anti-jump

Fig 31

4.10.1 Engage anti-jump on roller carrier.
4.10.2 Using a hex key, push anti-jump adjustment screw IN and turn **CLOCKWISE** 90° to engage anti-jump.

**Hex key size**

| XL80 | 3mm |
4.11 Align the cable

Fig 32

VIEW FROM BACK OF SYSTEM -
**SMP AND QMP TRACKS REMOVED FOR EASIER VIEWING.**

4.11.1 Slide SMP arm bracket over top of the QMP carrier clamp bracket.

4.11.2 Jump the arm bracket over the clamp bracket to align cable with clamp bracket.
4.12 Adjustment end stop location: LEADING end stop

**Fig 33**

**End Stop Location: Leading Edge**

**Set end stop location:**
4.12.1 Slide end stop to desired location on track. Bumper should touch edge of roller carrier.

**Legend**
- Closing edge of door
- Secure

**Bumper**
- XL80 torque: 2 ft lbs [3 Nm]
- Hand tighten
- Hex key size: XL80 2.5mm

**NOTE:** Bi-folding: Be sure there is a 1/4" [6] gap between the right and left hand sets.

**END STOP LOCATION:** LEADING EDGE

**DOOR CLOSED**

- Sidelite glass
- SMP glass
- QMP glass

**Fig 34**

**End Stop Location: Trailing Edge**

**Set end stop location:**
4.12.1 Slide end stop to desired location on track. Bumper should touch edge of roller carrier.

**Legend**
- Closing edge of door

**Bumper**
- XL80 torque: 2 ft lbs [3 Nm]
- Hand tighten
- Hex key size: XL80 2.5mm

**NOTE:** Bi-folding: Be sure there is a 1/4" [6] gap between the right and left hand sets.
4.13  Securing the cable to the QMP cable clamp

4.13.1  **Remove** cable clamp set screws #1 and #2.

4.13.2  **Loosen** cable clamp set screws #3 and #4.

4.13.3  Align cable inside clamp.

4.13.4  Reinsert and retighten all screws.

*VIEWED FROM BACK OF TRACK/CARRIERS*

<table>
<thead>
<tr>
<th>Hex key size</th>
<th>Cable clamp set screws</th>
</tr>
</thead>
<tbody>
<tr>
<td>XL80</td>
<td>Cross-head screw driver (magnetic recommended)</td>
</tr>
</tbody>
</table>

**Fig 35**
4.14 Install DORMOTION start/stops into QMP track (optional)

**DISREGARD IF SYSTEM IS LESS DORMOTION**

**Legend**

- Closing edge of door

**Hex key size**

| XL80 | 4mm |

4.14.1 Loosen hex screws on plates.
- Plates should start out parallel to track.

4.14.2 Place start/stops into track channel.

4.14.3 Slide door all the way OPEN.

4.14.4 Carrier should touch end stop.

4.14.5 Slide SHORTER start/stop into Dorman unit trigger.
4.14.6 Rotate plates inside track to engage.
4.14.7 Hand tighten hex screws.
4.14.8 Adjust using center set screw, then fully tighten hex screws.

4.14.3 Slide door all the way CLOSED.

4.14.4 Carrier should touch end stop.

4.14.5 Slide LONGER start/stop into Dorman unit trigger.
4.14.6 Rotate plates inside track to engage.
4.14.7 Hand tighten hex screws.
4.14.8 Adjust using center set screw, then fully tighten hex screws.
4.15 QMP track cover and end caps

Fig 37

4.15.1 Add adhesive foam pieces to QMP glass clamp profile, spaced accordingly.
4.15.2 Peel off adhesive.

4.15.1 Slide cover over outside of profile.
4.15.2 Peel adhesive off end caps and press onto ends of profile.
4.16 SMP cover profile

Fig 38

4.16.1 Slide doors fully CLOSED.

4.16.2 Slide SMP cover profile up and between the SMP roller carriers as shown in Fig. 1 above.

4.16.3 Secure with included fasteners.

NOTE: SMP track, QMP track, and sidelite profile removed for easier viewing.

NOTE: If cover profile does not fit, check and correct roller carrier locations, if necessary.

Hex key size

<table>
<thead>
<tr>
<th>Hex key size</th>
</tr>
</thead>
<tbody>
<tr>
<td>XL80</td>
</tr>
<tr>
<td>3mm</td>
</tr>
</tbody>
</table>

M4 x 8 Low head socket cap screw

8mm 4mm
4.17  Cover profile for passage

4.17.1  Slide both doors all the way OPEN.
4.17.2  Slide cover profile for passage up behind QMP track.
4.17.3  Secure cover profile for passage with all included fasteners at 2 ft lbs [2.5Nm].

4.18  Cover clips

4.18.1  Insert cover clips into track (one clip per foot).
4.18.2  Insert perpendicular to track, and turn CLOCKWISE to snap into place.
4.19 Cover spacers

4.19.1 Tip cover spacers into outermost edge of track.

4.19.2 Place one at each end of track as shown.

4.19.3 Tighten at hand tighten.

4.20 Install brush profile

4.20.1 Match brush to cover length.

4.20.2 Slide brush into cover.
4.21 Secure system cover

4.21.1 Secure cover to clips and snap into place.
NOTE: Roll cover from the bottom upwards. Ensure the bottom of the cover is supported by the groove in the cover clip.

4.21.2 Snap end caps onto track.