

Low Headroom Front Mount TorqueMaster®



Supplemental Instruction Insert

This supplemental installation instruction is to be used as a supplement to the main Installation Instruction and Owner's Manual provided with the door. The instructions included in this document are only those which deviate from the standard installation. All warnings and cautions listed in the main manual are applicable to this supplemental instruction as well.

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1 Quick Install Jamb Brackets

Tools Required: Tape measure, Safety glasses, Leather gloves

NOTE: If you do not have quick install jamb brackets, skip this step and complete step fully adjustable jamb brackets.

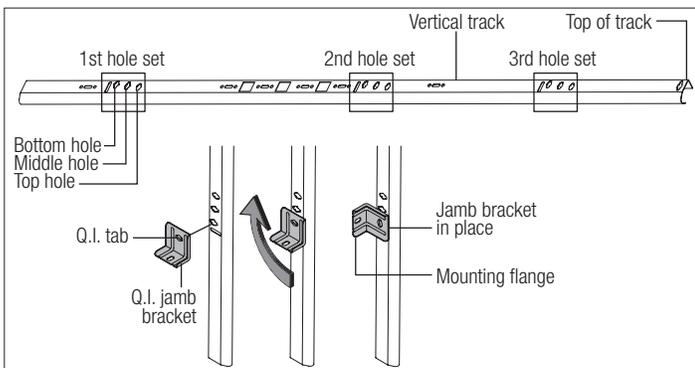
Measure the length of the vertical tracks. Using the jamb bracket schedule, determine the placement of the jamb brackets for your door height and track length. To install the jamb brackets, align the Quick Install tab on the Quick Install jamb bracket with the Quick Install feature in the vertical track and turn the bracket perpendicular to the track so the mounting flange is toward the back (flat) leg of the track. Repeat for other side.

9100 / 9405 / 9600 / 5120 / 5145 / 6100 JAMB BRACKET SCHEDULE						
DOOR HEIGHT	TRACK LENGTH	1ST SET		2ND SET		3RD SET
6'0"	57-3/4"	5	M	8	T	NA
6'5"	62-3/4"	3	B	7	M	NA
6'8"	66"	3	B	6	M	NA
7'0"	69-1/2"	3	B	6	M	NA
7'3"	72-1/2"	3	B	7	T	8
7'6"	75-1/2"	3	B	7	T	8
7'9"	78-1/2"	3	B	7	T	8
8'0" (4 Sect.)	81-1/2"	3	B	7	T	8
8'0" (5 Sect.)	82"	3	B	7	T	8

B= BOTTOM HOLE, M= MIDDLE HOLE, T= TOP HOLE

8000 JAMB BRACKET SCHEDULE						
DOOR HEIGHT	TRACK LENGTH	1ST SET		2ND SET		3RD SET
6'0"	58-3/4"	9	M	11	M	NA
6'3"	62"	9	B	11	M	NA
6'6"	65-1/4"	9	M	10	B	NA
6'9"	68"	9	M	10	B	NA
7'0"	70"	9	M	10	B	NA
7'6"	76-1/2"	9	T	10	M	11
7'9"	79-1/2"	9	T	10	M	11
8'0" (4 Sect.)	82-1/2"	9	T	10	M	11

B= BOTTOM HOLE, M= MIDDLE HOLE, T= TOP HOLE



2 Fully Adjustable Jamb Brackets

Tools Required: Tape measure, Safety glasses, Leather gloves

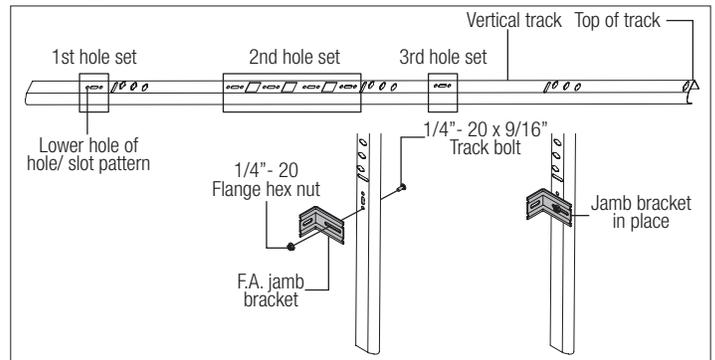
NOTE: If quick install jamb brackets were installed, skip this step and continue with step windload jamb brackets. If not, complete this step.

NOTE: The bottom jamb bracket is always the shortest bracket, while the center jamb bracket is the next tallest. If three jamb brackets per side are included with your door, you will have received a top jamb bracket, which is the tallest.

To attach the bottom jamb bracket, locate lower hole of the hole/ slot pattern of the 1st hole set on the vertical track. Align the slot in the jamb bracket with the lower hole of the hole/ slot pattern. Secure jamb bracket using (1) 1/4" - 20 x 9/16" track bolt and (1) 1/4" - 20 flange hex nut. Repeat for other side.

Place the center jamb bracket over the lower hole of the hole/ slot pattern that is centered between the bottom jamb bracket and flag angle of the 2nd hole set. Secure jamb bracket using (1) 1/4" - 20 x 9/16" track bolt and (1) 1/4" - 20 flange hex nut. Repeat for other side.

If a top jamb bracket was included, secure it to vertical track using the lower hole of the hole/ slot pattern in the 3rd hole set and (1) 1/4" - 20 x 9/16" track bolt and (1) 1/4" - 20 flange hex nut. Repeat for other side.



3 Windload Jamb Brackets

Tools Required: Tape measure, Safety glasses, Leather gloves

NOTE: If you do not have windload jamb brackets, skip this step and complete next step.

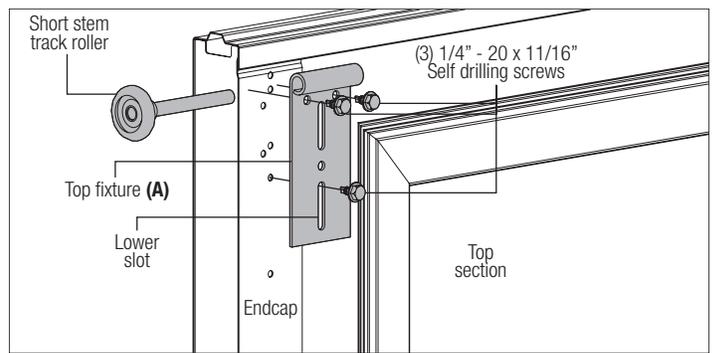
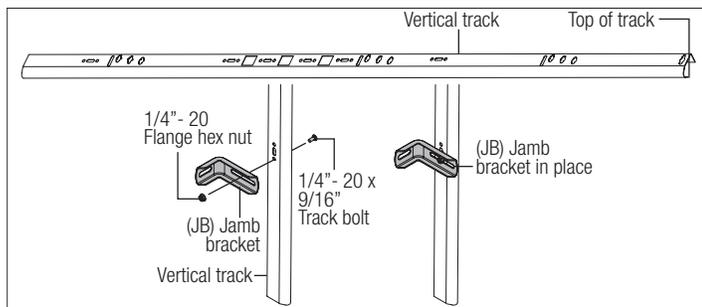
NOTE: Windload specification 0356 only uses the (QI) jamb bracket schedule.

NOTE: The following (JB) denotes a slotted jamb bracket.

Measure the length of the vertical tracks. Using the windload jamb bracket schedule, determine the placement of the jamb brackets for your door height and track type. Loosely fasten the windload jamb brackets to the vertical track with a 1/4" - 20 x 9/16" track bolt and 1/4" - 20 flange hex nut, as shown. Repeat for other side.

Windload (JB) Jamb Bracket Schedule				
Door Height	No. Of Sections	No. Of Jamb Brackets (Each Jamb)	Track Type	Location of center line of jamb brackets. Measured from bottom of track (All dimensions ± 2")
Windload Specification 0228				
7'-0" or Less	4	1	Q.I.	2" (JB), 63" (JB)
7'-1" to 8'-0"	4 Or 5	1	F.A.T.	2" (JB), 42" (JB), 63-1/4" (JB)
7'-0" or Less	4	1	Q.I.	2" (JB), 34" (JB)
7'-1" to 8'-0"	4 Or 5	1	F.A.T.	2" (JB), 10" (JB), 29-3/4" (JB), 48" (JB), 66" (JB)

Windload (JB) Jamb Bracket Schedule				
Windload Specification 0229, 0600, & 0602				
7'-0" or Less	4	2	Q.I.	25-1/2" (JB), 63" (JB)
7'-1" to 8'-0"			F.A.T.	10" (JB), 21-3/4" (JB), 42" (JB), 63-1/4" (JB)
7'-0" or Less	4 Or 5	2	Q.I.	23" (JB), 34" (JB)
7'-1" to 8'-0"			F.A.T.	10" (JB), 21-3/4" (JB), 29-3/4" (JB), 48" (JB), 66" (JB)
Windload Specification 0230, 0232, 0233, 0234, 0601, 0603, 0607, & 0608				
7'-0" or Less	4	4	Q.I.	2" (JB), 25-1/2" (JB), 34" (JB), 63" (JB)
			F.A.T.	2" (JB), 10" (JB), 21-3/4" (JB), 29-3/4" (JB), 42" (JB), 63-1/4" (JB)
7'-1" to 8'-0"	4 Or 5	5	Q.I.	2" (JB), 23" (JB), 34" (JB), 58" (JB), 75" (JB)
			F.A.T.	2" (JB), 10" (JB), 21-3/4" (JB), 29-3/4" (JB), 48" (JB), 57-1/4" (JB), 66" (JB), 75-1/2" (JB)
Windload Specification 0605				
7'-0" or Less	4	4	Q.I.	2" (JB), 23" (JB), 34" (JB), 58" (JB), 75" (JB)
7'-1" to 8'-0"	4 Or 5	5	F.A.T.	2" (JB), 10" (JB), 21-3/4" (JB), 29-3/4" (JB), 48" (JB), 57-1/4" (JB), 66" (JB), 75-1/2" (JB)



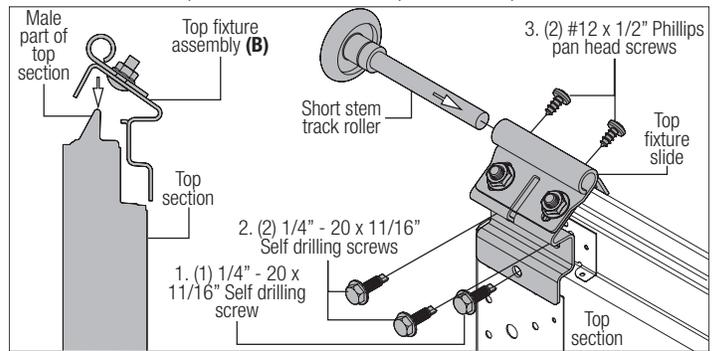
FOR LOW HEADROOM TOP FIXTURE (B) OR (C):

NOTE: The LHR top fixture comes pre-assembled, as shown.

Locate the edge of the top section and seat the top fixture on the male part of the top section, as shown.

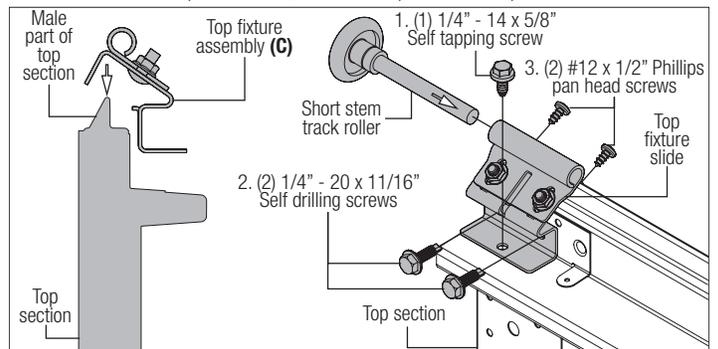
ATTACH THE TOP FIXTURE TO THE TOP SECTION (B):

1. Attach one 1/4" - 20 x 11/16" self-drilling screw to the top fixture assembly.
 2. Attach two 1/4" - 20 x 11/16" self-drilling screws to the top fixture assembly.
 3. Attach two #12 x 1/2" phillips head screws on the opposite side of top fixture assembly.
- Insert a roller into the top fixture slide, as shown. Repeat the same process for the other side.



ATTACH THE TOP FIXTURE TO THE TOP SECTION (C):

1. Attach one 1/4" - 14 x 5/8" self-tapping screw to the top fixture assembly.
 2. Attach two 1/4" - 20 x 11/16" self-drilling screws to the top fixture assembly.
 3. Attach two #12 x 1/2" phillips head screws on the opposite side of top fixture assembly.
- Insert a roller into the top fixture slide, as shown. Repeat the same process for the other side.



REVERSING THE TOP FIXTURE SLIDE (B) OR (C), IF NEEDED:

NOTE: Depending on your application, you may need to reverse the top fixture slide for more adjustment, if needed, prior to securing it to the top fixture base.

Remove the top fixture slide by removing the two 1/4" - 20 x 5/8" carriage bolts, two retention washers and two 1/4" - 20 flanged hex nuts. Flip the top fixture slide in the opposite direction. Loosely fasten the top fixture slide to the bracket using two 1/4" - 20 x 5/8" carriage bolts, two retention washers and two 1/4" - 20 flanged hex nuts, as shown.

NOTE: The retention washers must be fully seated against the top fixture base to ensure the anti-twist feature on the top fixture slide engages in the slotted hole in the top fixture base.

4 Top Fixtures

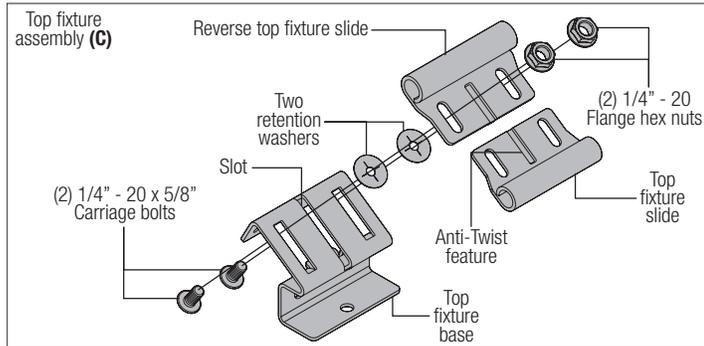
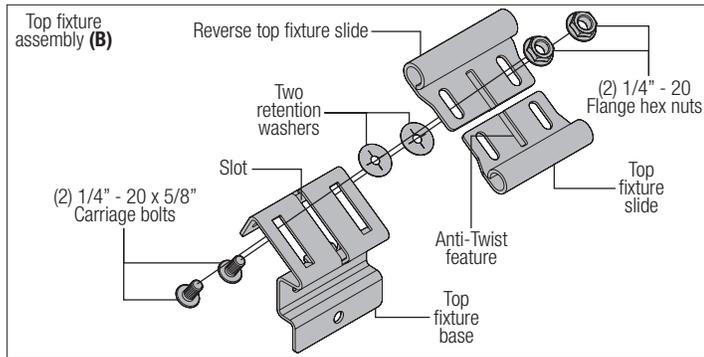
Tools Required: Power drill, 7/16" Socket driver, 7/16" Wrench, Phillips head screwdriver, Step ladder, Safety glasses, Leather gloves

Identify the low-headroom top fixtures provided with your door (A, B, C or D). Push the top section of door out against the jamb until the top section is parallel with the other sections of the door. Starting with the left hand side, align the edge of top fixture with the edge of section.

NOTE: When installing the top fixtures, the top section must be vertically aligned with the rest of the sections from the side view. If needed reposition top fixture (s) to achieve vertical alignment.

FOR LOW HEADROOM TOP FIXTURE (A):

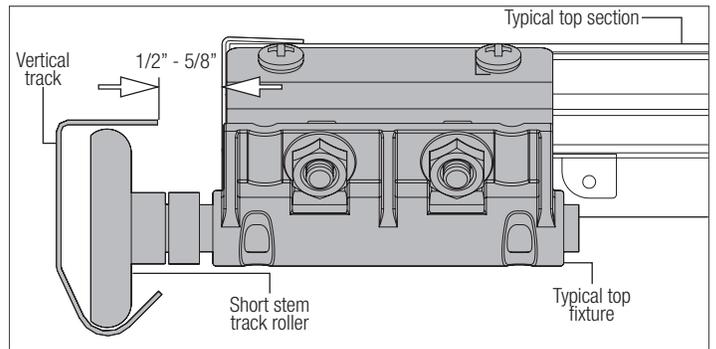
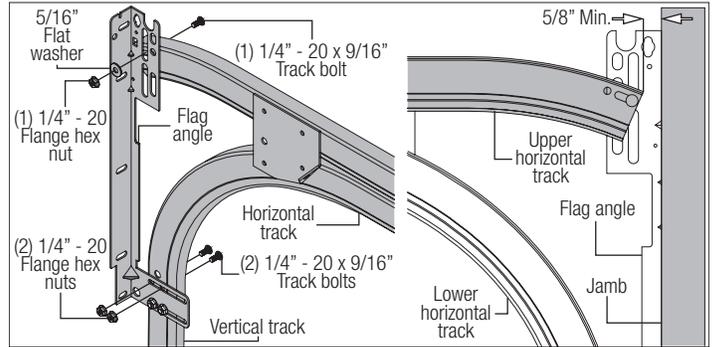
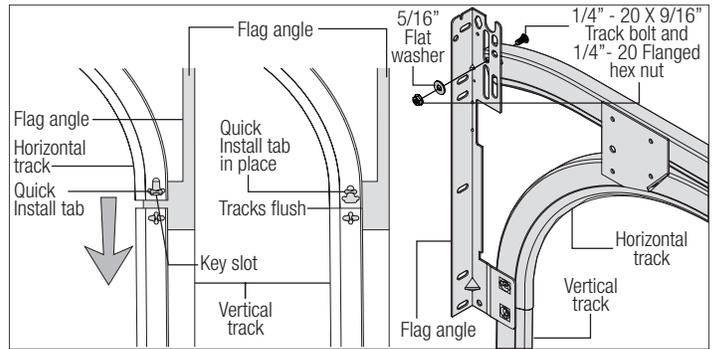
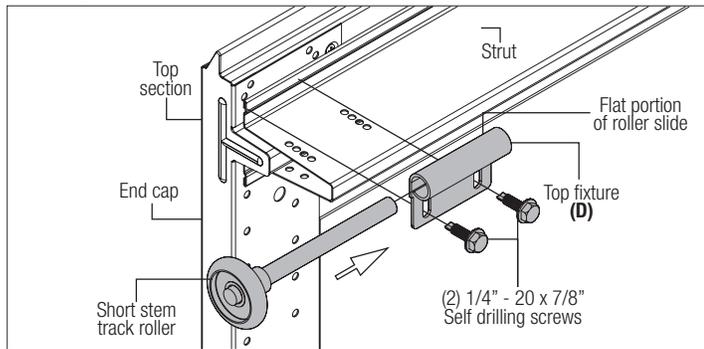
Secure the low headroom top fixture to the top section by placing one 1/4" - 20 x 11/16" self drilling screw through the lower slot of top fixture. Adjust the low headroom top fixture if necessary. Secure two more 1/4" - 20 x 11/16" self drilling screws through the top holes, as shown. Repeat the same process for the other side.



ATTACH THE TOP FIXTURE TO THE TOP SECTION (D):

NOTE: This is a traditional low headroom windload top fixture.

Vertically align the flat portion of roller slide with the endcap and strut at the top of the top section. Fasten the flat portion of the top fixture to the top section using (2) 1/4\" - 20 x 7/8\" self drilling screws, as shown. Repeat the same process for the other side.



6 Rear Back Hangs
 Tools Required: Ratchet wrench, Socket: 1/2\" 5/8\", Wrench: 1/2\" 5/8\", (2) Vice clamps, Step ladder, Tape measure, Safety glasses, Leather gloves

IMPORTANT: HOLD THE DOOR DOWN TO PREVENT IT FROM RISING UNEXPECTEDLY IN THE EVENT THE SPRING(S) WAS OVER-WOUND AND CAUTIOUSLY REMOVE VICE CLAMPS FROM VERTICAL TRACKS.

Raise the door until the top section and half of the next section are in the horizontal track radius. Do not raise door any further since rear of horizontal tracks are not yet supported.

WARNING
RAISING DOOR FURTHER CAN RESULT IN DOOR FALLING AND CAUSE SEVERE OR FATAL INJURY.

Clamp a pair of vice clamps onto the vertical tracks just above the second track roller on one side and just below the second track roller on the other side. This will prevent the door from raising or lowering while installing the rear back hangs. Using perforated angles, 5/16\" x 1-5/8\" lag screws and 5/16\" - 18 x 1\" hex head bolts with 5/16\" - 18 nuts (may not be supplied), fabricate rear supports for horizontal tracks, as shown.

Attach rear supports to ceiling joist or other structurally sound framing members, making sure the vertical piece is positioned with the back leg angled outward and away from the door opening. Attach rear support to the rear support bracket with two 5/16\" - 18 x 1\" hex head bolts and 5/16\" - 18 nuts. Horizontal tracks must be level and parallel with door, as shown.

NOTE: Ensure the two 5/16\" - 18 x 1\" hex head bolts is going through the vertical piece first, then through the rear support bracket and the 5/16\" - 18 nuts is in the inside of the horizontal track, as shown.

IMPORTANT: LATERAL BRACE MUST ALWAYS BE USED TO PREVENT SWAYING OF THE HORIZONTAL TRACK.

NOTE: If an automatic garage door opener will be installed, position horizontal tracks one hole above level when securing to the rear support.

IMPORTANT: SPACING BETWEEN THE LEFT AND RIGHT HAND TORQUEMASTER® ADAPTER BRACKETS MUST BE DOOR WIDTH PLUS 5-3/8\" (136MM).

WARNING

DO NOT RAISE DOOR UNTIL HORIZONTAL TRACKS ARE SECURED AT REAR, AS OUTLINED IN REAR SUPPORT INSTALLATION, OR DOOR COULD FALL FROM OVERHEAD POSITION CAUSING SEVERE OR FATAL INJURY.

5 Horizontal tracks
 Tools Required: Ratchet wrench, 9/16\" 7/16\" Socket, 9/16\" 7/16\" Wrench, Step ladder, Tape measure, Safety glasses, Leather gloves

To install horizontal track, align the bottom of the horizontal track with the top of the vertical track.

Q.I. FLAGANGLE: Align the key slot in each horizontal track with the quick install tabs on the corresponding flagangle. Push the curved portion of the horizontal downward to lock into place, as shown.

FULLY ADJUSTABLE FLAGANGLE: Secure each horizontal track to the corresponding flagangle with (2) 1/4\" - 20 X 9/16\" large head track bolts and (2) 1/4\" - 20 flanged hex nuts, as shown.

Level horizontal track and secure the upper curve to the flagangle using (1) 1/4\" - 20 x 9/16\" track bolt, (1) 5/16\" flat washer and (1) 1/4\" - 20 flanged hex nut, as shown. Repeat for other side.

NOTE: Check the clearance between the upper curve and the jamb. The clearance must be a minimum of 5/8\", as shown. If it is less than 5/8\" trim the top curve with a hacksaw.

WARNING

KEEP HORIZONTAL TRACKS PARALLEL AND WITHIN 3/4" - 7/8" (19MM - 22MM) OF DOOR EDGE, OTHERWISE DOOR COULD FALL, RESULTING IN SEVERE OR FATAL INJURY.

