

Accessory Assembly Instructions

3100 Series Light Duty End Stop Kits (315504M through 315540M)



WARNING

To prevent injury, make sure all electrical and pneumatic power sources have been disconnected and locked-out, before you perform any assembly or adjustments. To prevent injury, keep hands and fingers away from the end stop while the conveyor is running. Because Dorner Mfg. Corp. cannot control the physical installation and application of conveyors, taking protective measures in the responsibility of the user.

The 3100 Series kits (315504M - 315540M) include the parts shown in Figure 2.

1. Verify all kit parts are present.
2. Refer to Figure 1 and on the appropriate side of the conveyor, properly position and attach the respective right or left end stop plates.
 - a. **For a conveyor with metric hardware**, secure each plate with two (2) M6 x 18 mm button head screws (M) and the 4 mm hex key wrench (K) provided.
 - b. **For a conveyor with SAE hardware**, secure each plate with two (2) 1/4-20 x 5/8 button head screws (M).

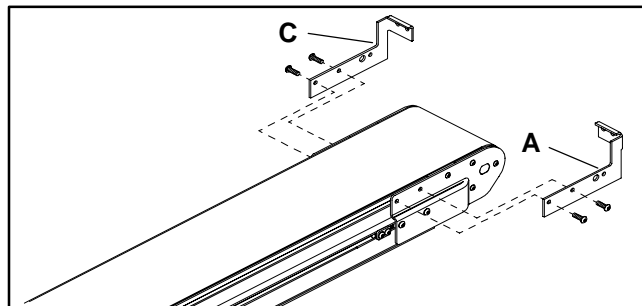
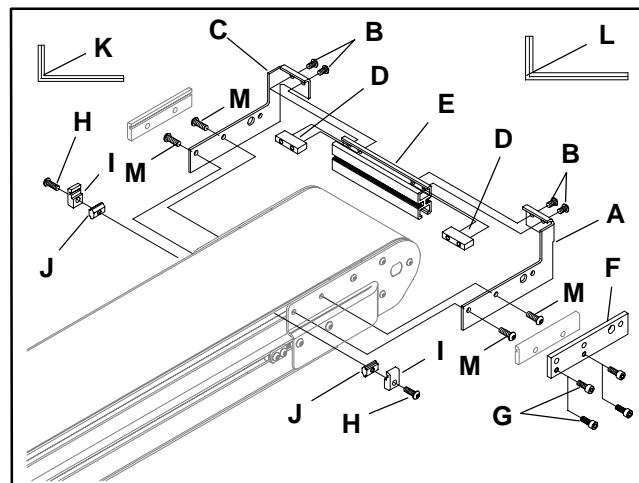


Figure 1: 3100 Series Conveyor End Stop Plate Installation Detail



Item	Qty.	Description
A	1	End Stop Plate LH (677744M)
B	4	M6 x 12 mm Button Head Screw (910612M)
C	1	End Stop Plate RH (677745M)
D	2	End Stop Nut Bar (677742M)
E	1	End Stop 677719 4" (95 mm) 677720 5" (127 mm) 677721 6" (152 mm) 677723 8" (203 mm) 677724 10" (254 mm) 677725 12" (305 mm) 677727 18" (457 mm) 677729 24" (610 mm) 677730 30" (762 mm) 677736 36" (915 mm) 677732 40" (1016 mm)
F	1	End Stop Drive Spacer (677743M)
G	2	M6 x 14 mm Socket Head Screw (920614M) (or) M6 x 18 mm Socket Head Screw (920618M) (Used Only on Conveyor with a End Drive)
H	2	M6 x 18 mm Button Head Screw (910618M)
I	2	Guide Retaining Clip (200121)
J	2	Single Drop-In T-bar (639971M)
K	1	4 mm Hex Key Wrench (807-564)
L	1	5 mm Hex Key Wrench (807-565)
M	4	M6 x 18 mm Button Head Screw (910618M) (or) 1/4-20 x 5/8 Button Head Screw (901-131) for Conveyors with SAE fasteners

Figure 2: Light Duty End Stop Kit Components for 4" (95 mm) through 40" (1016 mm) Conveyors

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- Refer to Figure 3 and place the end stop nut bars (D) into the slot on each side of the end stop (E) and align the mounting holes in the end stop nut bars and end stop.
 - Refer to Figure 3 and secure the end stop to each end stop plate with the two M6 x 12 mm button head screws (B).
- Tightly secure the screws with the 4 mm hex key wrench (K) provided.

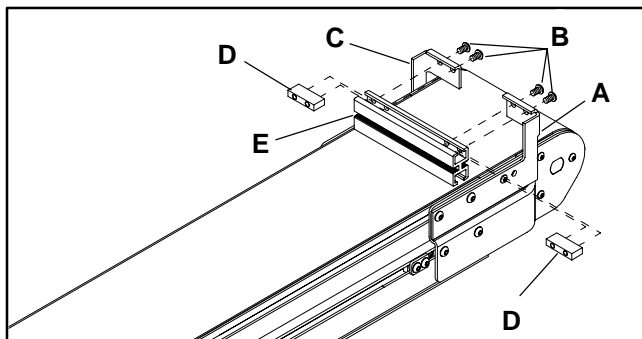
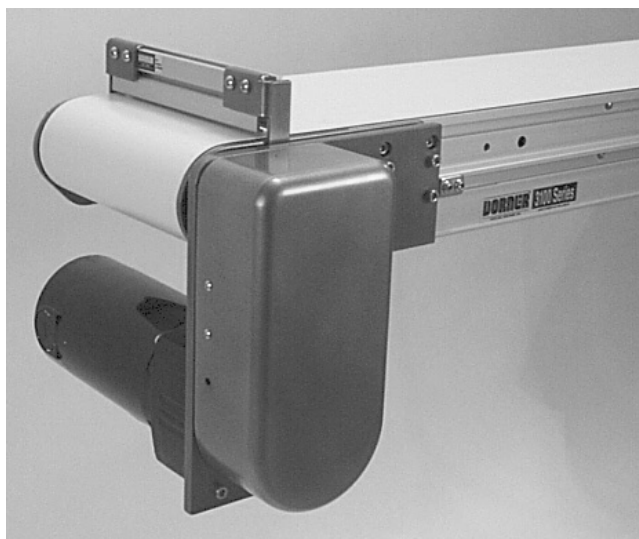


Figure 3: 3100 Series Conveyor End Stop and End Stop Nut Bar Installation Detail

Additional Procedures for 3100 Series Conveyors Equipped with End Drives



NOTE:

On 3100 Series conveyors equipped with an end drive, refer to the 3100 Series manual, furnished with your conveyor, for the illustrations and callouts of the components being referenced in the following information.

- End-driven 3100 Series conveyors have a spacer 300038 (not shown) which provides a flat mounting surface for the drive mounting plates.

Discard this spacer and install the end stop drive spacer (F of Figure 2) and secure it with the appropriate length M6 socket head screws (G) which coincide with the type of end drive that is installed on the conveyor. Tightly secure the screws with the 5 mm hex key wrench (L) provided.

Additional Procedures for 3100 Series Conveyors Equipped Guiding Clamp Bars

NOTE:

On 3100 Series Conveyors equipped with guiding clamp bars, refer to the 3100 Series manual, furnished with your conveyor, for the illustrations and callouts of the components being referenced in the following information.

- On those conveyors which have guiding clamp bars (shown in phantom in Figure 2), the bars will be removed from both sides of the conveyor and replaced by the Guide Retaining Clips (I), single drop-in T-bars (J) and M6 x 18 button head screws (H).

Install the guide retaining clips next to the end of each end stop plate in the same manner as other clips already on the conveyor. Tightly secure the screws with the 4 mm hex key wrench (K) provided.

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