

Supplement

DORNER
3100 Series
Flat Belt Conveyors

Parts, Assembly
& Maintenance
Manual



3100 Series Return Roller Assemblies

Supplement to 3100 Series Conveyors Parts, Assembly & Maintenance Manual (Publication 851-157)

SAE Hardware Illustration References

- A 5/16 x 3/4 Button Head Cap Screw (2x)
- B 1/4 x 3/4 Socket Head Cap Screw & Hard Washer (4x)

Metric Hardware Illustration References

- A M8 x 20 Button Head Cap Screw (2x)
- B M6 x 18 Socket Head Cap Screw & Hard Washer (4x)

3100 Series Flat Belt Conveyors

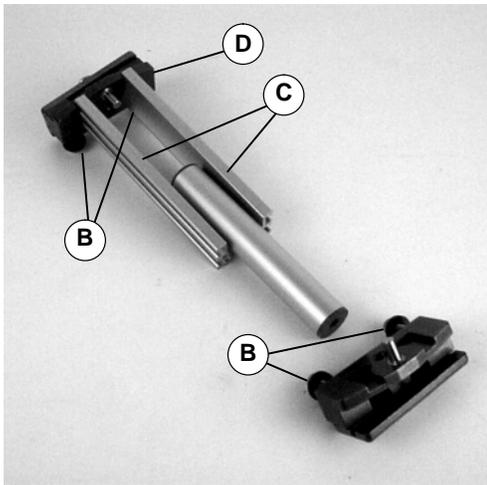


Figure 1

1. Typical Components (Figure 1)

NOTE: Roller Guards (C) are shipped fastened to block (D) only. Do NOT fasten to other block.

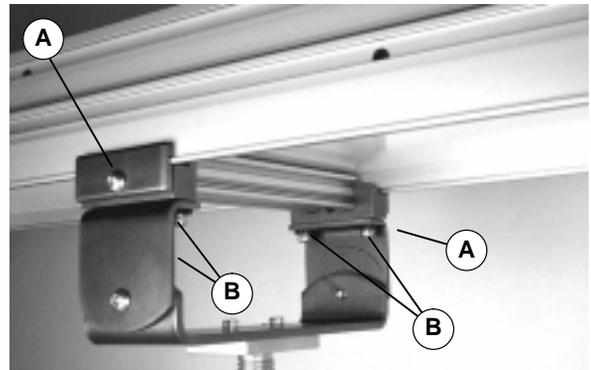


Figure 3

3. Attach clamp plates on each side of conveyor (Figure 3). Align assembly perpendicular to conveyor or frame. Secure the 5/16 button head screws (A) with 150 in-lb (17 Nm) torque or the M8 button head screws (A) with 80 in-lb (9 Nm) torque.
4. Mount to support stand. Secure the 1/4 or M6 socket head screws (B) with 80 in-lb (9 Nm) torque. Make sure belt is free to move.

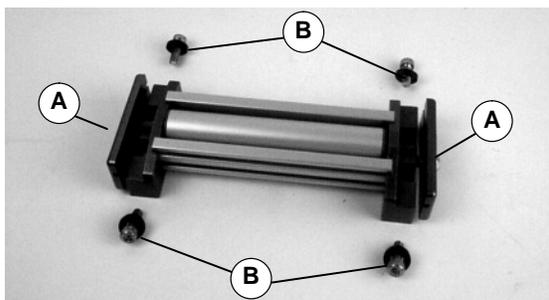
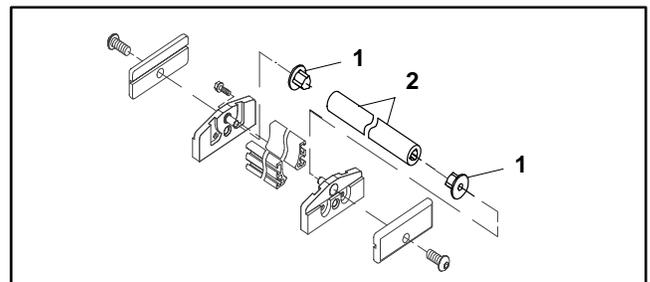


Figure 2

2. Assemble components as shown (Figure 2). Loosen (but do not remove) screws (A) and remove screws and washers (B).

Replacement Parts



Item	Part No.	Part Description
1	202311P	Return Roller Bearing
2	2077WW	Return Roller Tube

WW (conveyor width reference)

3100 Series Cleated Belt Conveyors

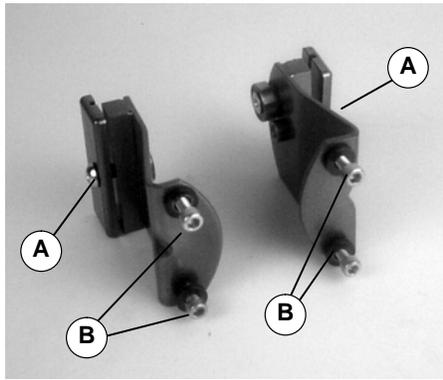


Figure 4

1. Typical Components (Figure 4)

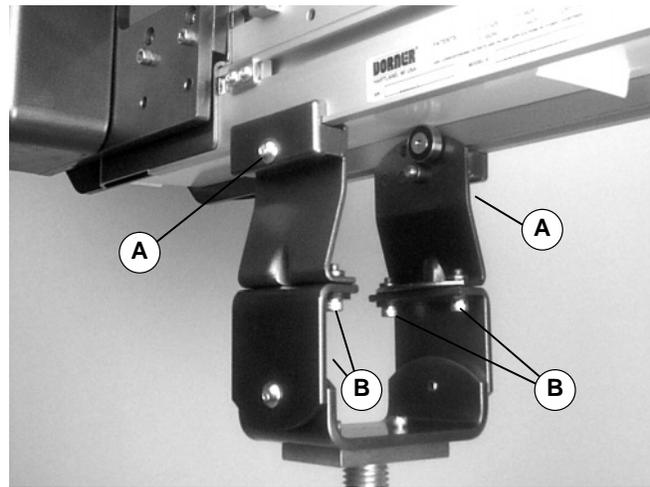


Figure 6

3. Attach clamp plates on each side of conveyor (Figure 6). Secure the 5/16 button head screws (A) with 150 in-lb (17 Nm) torque or the M8 button head screws (A) with 80 in-lb (9 Nm) torque.
4. Mount to support stand. Secure the 1/4 or M6 socket head screws (B) with 80 in-lb (9 Nm) torque. Make sure belt is free to move.

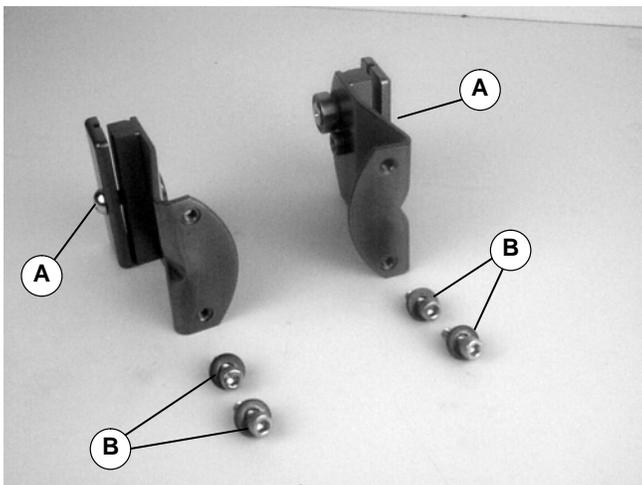
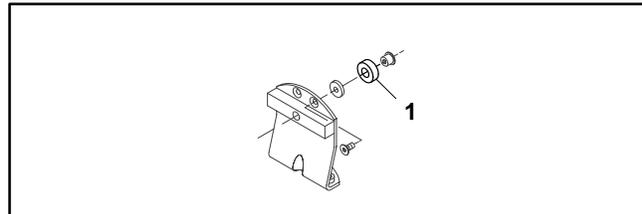


Figure 5

2. Loosen (but do not remove) screws (A) and remove screws and washers (B) (Figure 5).

Replacement Parts



Item	Part No.	Part Description
1	802-027	Sealed Ball Bearing

Please keep this sheet with your 3100 Series Conveyor Parts, Assembly & Maintenance Manual for future reference.

For replacement parts, contact an authorized
Dorner Service Center or the factory.

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