

Line-shaft GUARD MOUNTING INSTRUCTIONS



Instruction Manual Part Number: 90480050

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LINE-SHAFT GUARD MOUNTING

The enclosed rubber washers are used to isolate the line-shaft guard from the conveyor frame. They are to be placed between all mounting brackets and the line-shaft guard. The washers reduce any resonating of noise into the guard. Refer to the following picture for clarification. The photos on the backside of this page show bed joint and end of line guarding requirements. Become familiar with the Installation, Operation, Maintenance Manual before starting any installation of XenoROL® or XenoPRESSURE® conveyors.

Line-shaft guarding is installed at the factory on curves, transfers, merges, gates, jump chains and other accessories. During installation, only straight section guards need to be mounted to the conveyor frames.

WARNING

Failure to properly install line-shaft guards per the instructions in the IOM manual will expose personnel to serious injury.

Install the straight line-shaft guard sections as follows:

1. Loosely bolt the slotted side of the attaching bracket to the bottom flange of the side channel approximately 30" from each end (on a 10' bed).
2. Slide the spring steel retainer over the hole in the attaching bracket.
3. Slide spring steel retainers over the hole in the bearing mount four places per 10' bed.
4. Bolt the line-shaft guard to the bearing mount retainers, then to the attaching bracket retainers.

IMPORTANT: Place the rubber washers between the line-shaft guard and attaching brackets to isolate the guard. This reduces noise levels due to vibration.

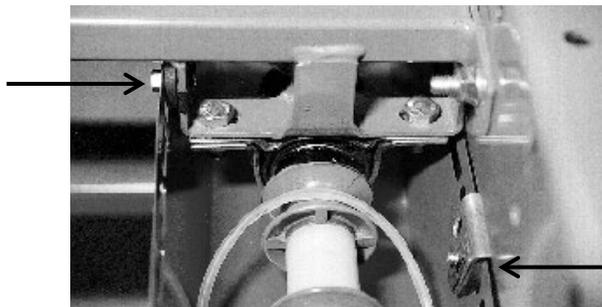
GUARDS FOR INCLINED STRAIGHT SECTIONS

Line-shaft conveyors are often inclined or declined through the use of constant velocity universal joints at the upper and lower transition points. The line-shaft guards at these points must be cut, overlapped and joined at installation to eliminate gaps. A U-joint top cover is provided in the loose parts to fit the top side of the line-shaft guard over the universal joint. This cover is field installed.

WARNING

Cutting a 10' line-shaft guard to match a specific length conveyor section can create razor sharp edges which could result in a severe laceration. A hand deburring tool or file should be used to remove any sharp edges before installing the guard.

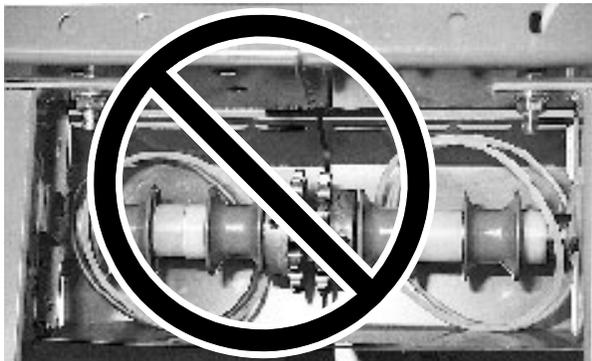
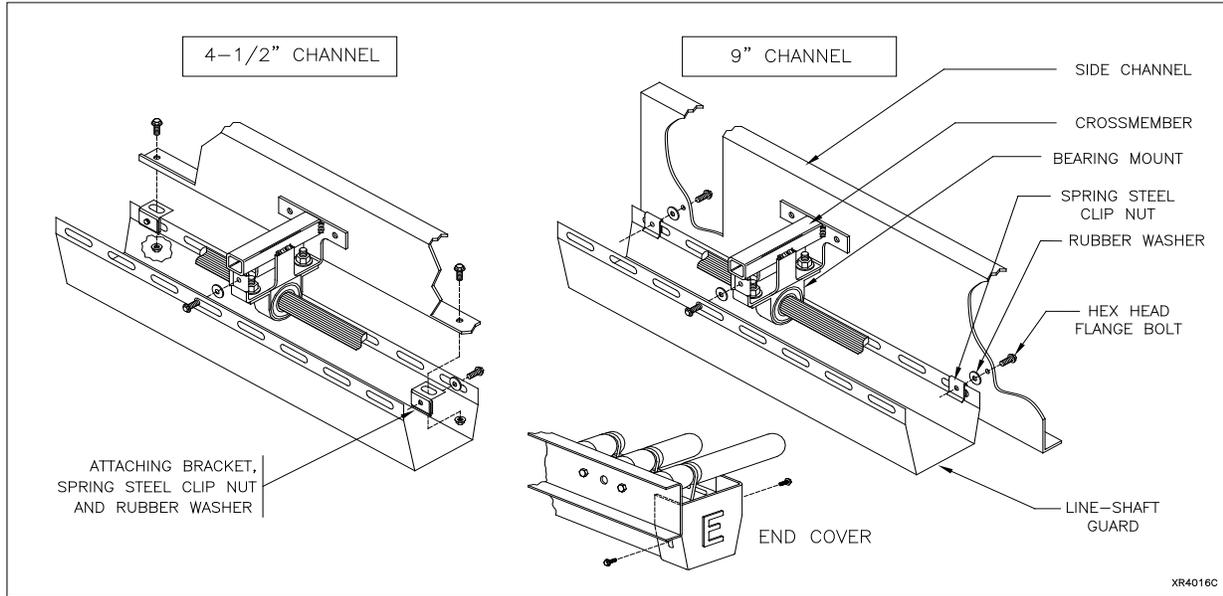
Place rubber washer between guard and attaching points.



Place rubber washer between guard and bracket attached to frame side channel.

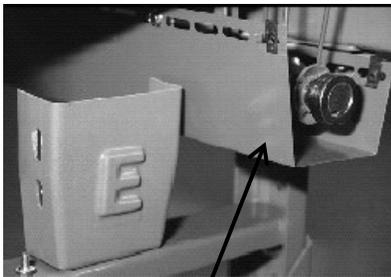
WARNING

Universal joints used in curves can be dangerous. The curve line-shaft guards and universal joint covers are installed at the factory and must always be in place when operating conveyor.

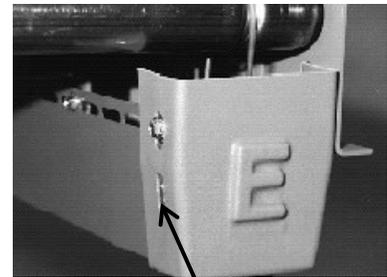


WARNING

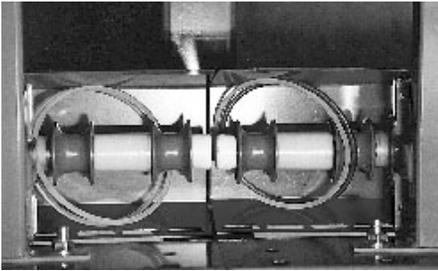
Remove any coupler sprocket which is not coupled to an adjacent sprocket. These sprockets must be removed **BEFORE** the bed is installed. The white line-shaft safety caps must be installed in place of the sprockets to cover



Set collar



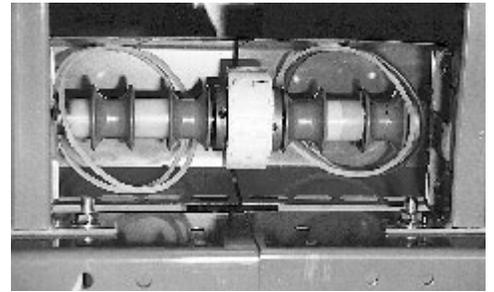
End cover in position



At joint between adjacent drive units, remove sprockets and add white plastic safety caps.

WARNING

Safety caps are required on ends of all adjoining line-shaft conveyor beds not coupled together.



When continuing drive, install coupler chain. Reference XR40 IOM.

ABOUT MHS CONVEYOR

About MHS Conveyor

MHS Conveyor, located in Norton Shores, Michigan, is a leading deliverer of “smart” material handling systems, technologies, products, and services, creating solutions for material flow applications. As a global supplier of conveyor systems and equipment since 1964, MHS Conveyor provides sorters, conveyors, and accessories to satisfy a broad spectrum of accumulation, transportation, and sortation applications.



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