



Positioning and Mounting the Bedding Conveyor

The customer should allow approximately 40 man-hours of labor to install the conveyor. (It is best to have two mechanics working together on the hydraulic and electrical systems; a qualified welder with all the proper tools for welding and a qualified heavy equipment mechanic with the proper tools)

Positioning the conveyor and welding all of the mounting brackets takes the most time. Once the mounting hardware is tack-welded in place, set the conveyor on the ground and move the excavator away from the conveyor so that the welder can start the final welding and the mechanic can begin the hydraulic plumbing.

The conveyor should be mounted as close to the excavator carbody as possible to maintain maximum ground clearance. However, adequate clearance must be maintained between the hopper and counterweight to allow free tail swing. The discharge end of the conveyor, depending on how close the bucket can curl into the excavator, should be approximately even with the end of the tracks.

The conveyor is attached to the excavator by a series of pins, which go into mounting eyes welded to the conveyor and excavator. Larger excavators need an additional mounting beam. The mounting beam is positioned between the tracks of the excavator and bolted to brackets welded to the track frames during the installation process. The mounting beam creates a mounting point within the 8-foot maximum pin connection distance to the hopper.

Hydraulic Plumbing & Electrical

A hydraulic motor drives the **Bedding Conveyor**. The hydraulic supply source to the motor is the track drive systems of the excavator. During the installation, a selector valve will be installed in one of the track drive motor circuits.

A switch in the cab electrically actuates the valve. The operator, after engaging and holding the switch in the ON position, will then have to step on the travel pedal of the motor that has been tapped into to run the conveyor. The conveyor is set up to turn in only one direction, therefore the operator will have to press the pedal in the correct direction. If the operator presses the pedal in the wrong direction, the conveyor will not run.

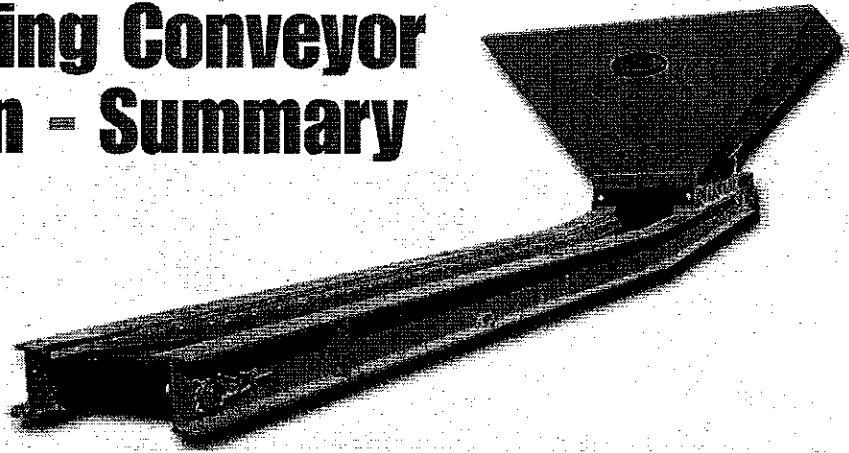
The selector valve is mounted in the cavity of the carbody along with a filter and check valve. The selector valve determines if the track motor will run or the conveyor motor will run. The filter ensures that the oil returned to the excavator's system is clean. The check valve keeps the conveyor from running backwards. Electrical power is transmitted to the valve's solenoid coil via a foot-operated switch in the cab, which leads to a set of electrical contacts between the carbody and the upper structure.

Review detailed instructions, with diagrams, in the owner's manual or at www.felco-ind.com.



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Felco Bedding Conveyor Installation - Summary



The **Bedding Conveyor** consists of five parts: the main frame, the nose section, the power unit assembly, the excavator-mounted hydraulics, and the hopper. Because the conveyor is attached to the carbody, special considerations are given to hydraulic supply, electrical supply, and 360-degree rotation of the upper house.

The following provides a brief summary of the bedding conveyor installation procedures. For detailed instructions please contact **Felco Industries** at 1-800-221-5427.

Felco recommends that a **Felco** installer or an experienced dealer representative participate in any bedding conveyor installation.

Conveyor Mounting Basics

The **Felco Bedding Conveyor** is usually mounted with the hopper on the idler end of the undercarriage, so digging can take place over the sprocket end. This position is approved by John Deere, Caterpillar, and Komatsu. The **Bedding Conveyor** pins to mounting ears that are welded to the excavator's carbody. The track drive hydraulic circuit powers the conveyor. Controls for the conveyor are installed in the cab.

Supplied by Customer

The customer has the primary obligation to perform the installation, including all related work. **Felco** will arrange for a technician to supervise the installation and to train operators on the proper use and operation of the **Bedding Conveyor**.

Materials & Equipment

1. Blocking material or jacks —to hold conveyor in position under the carbody for welding the mounting eyes.
2. Come-along and chains or cables —to lift and position the conveyor.
3. Bedding material (about 4 yards) —to test conveyor operation and make adjustments.
4. Welding machine and acetylene torch with supplies.

Labor (Approx. 40 man-hours)

1. Competent welder
2. Mechanic
 - Must be equipped with tools to work the hydraulics, electrical, and mechanical systems and learn the conveyor operation.



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