

## Installation of the Flat Conveyor on Towed TMR Mixers



Shut down the tractor and remove the key before repairing, servicing, lubricating or cleaning the machine.

Relieve all hydraulic pressure in the hoses. Disconnect the hydraulic hoses from the tractor before going near the machine.

Securely block the machine to avoid any movement while doing the work.



Do not enter the tub while the mixers are turning.

Entering the tub when the mixers are turning will result in death or serious injury.

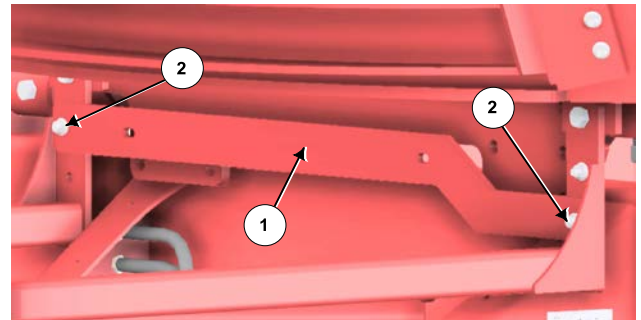
Do not contact the rotating screws.



1. If there is a conveyor installed on the machine, remove the conveyor.

2. Install the rear conveyor support bracket (1) onto the platform uprights and below the tub door.

- The rear bracket does not have slots in it.
- Fasten the bracket with 2 of ½" x 1-1/2" hex bolts and flange locknuts (2).

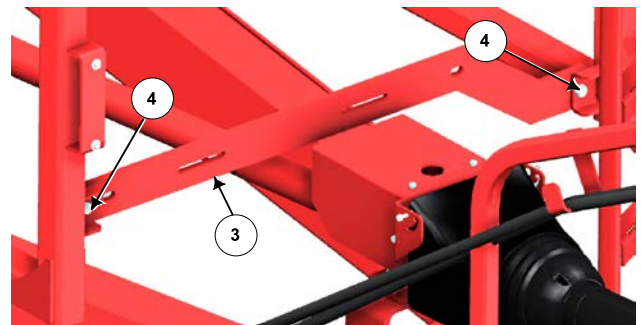


Install the Rear Conveyor Support Bracket

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3. Install the front conveyor support bracket (3) onto the platform uprights.

- The front bracket has slots in it.
- Fasten the bracket with 2 of ½" x 1-1/2" hex bolts and flange locknuts (4).



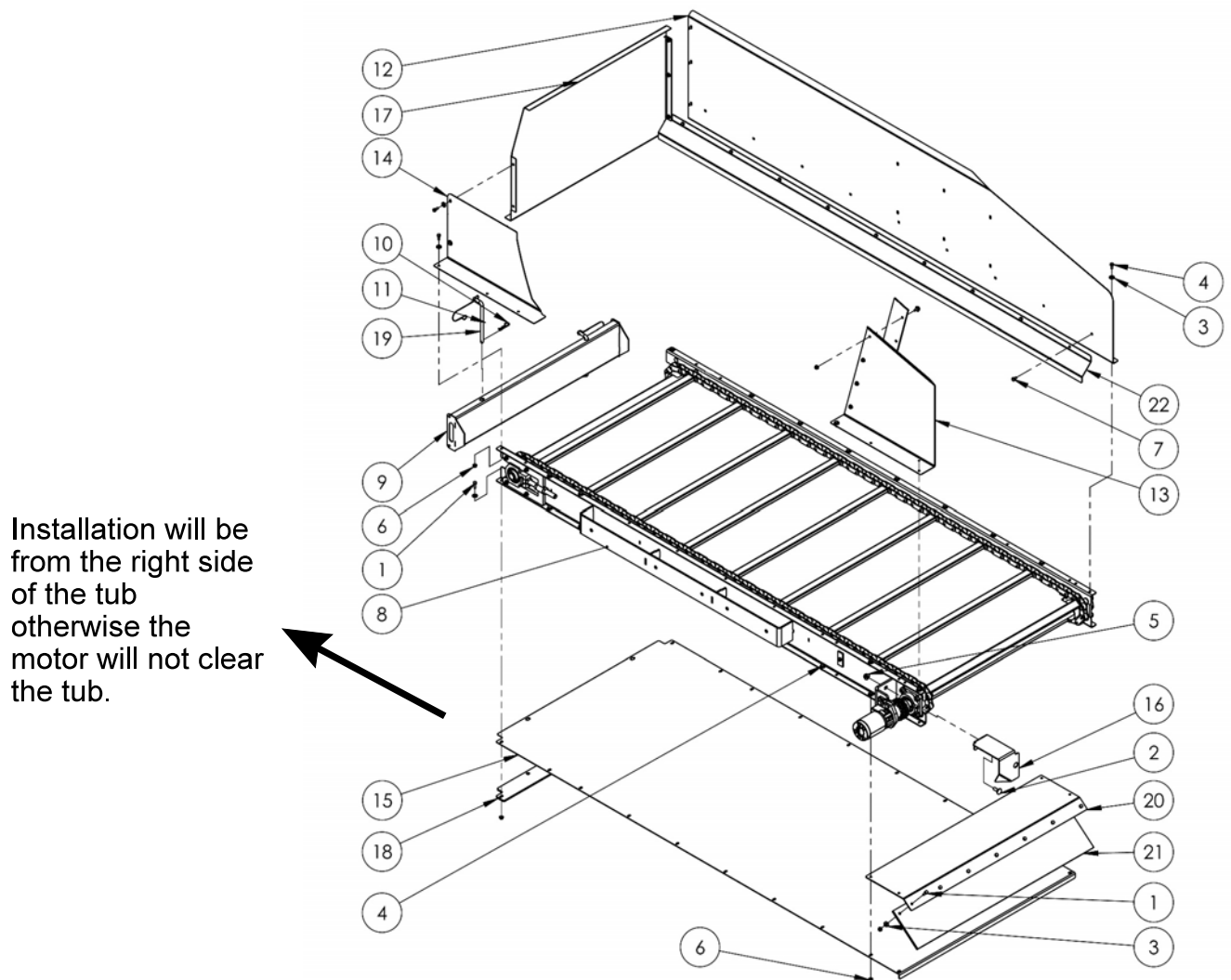
Install the Front Conveyor Support Bracket

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## Installation of the Flat Conveyor on Towed TMR Mixers

4. Assemble the components to the flat conveyor assembly according to the diagram and chart below.

Note: Shield (13) and rubber spill guard, shield (14), shield (17) and cleanout door (9) will be installed later.



Assemble the Flat Conveyor Shields

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## ***Installation of the Flat Conveyor on Towed TMR Mixers***

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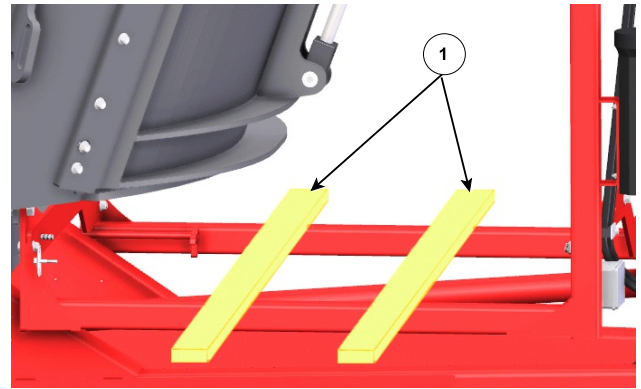
<b>ITEM</b>	<b>DESCRIPTION</b>
1	BOLT,HEX,5/16X1,UNC,GR5,ZP
2	BOLT,CARR,1/2X1-1/4,UNC,GR5,ZP
3	WASHER,FLAT,5/16,ZP
4	BOLT,HEX,5/16X3/4,UNC,GR5,ZP
5	NUT,FLG,LOCK,1/2,UNC,GR5,ZP
6	NUT,FLG,LOCK,5/16,UNC,GR5,ZP
7	BOLT,HEX,5/16X5/8,UNC,GR5,ZP
8	ASSY,CONV,FLAT,RH
9	WLDT, CLEANOUT DOOR,CONVEYOR
10	PIN,HAIR,1/8x2-9/16
11	ROPE,WIRE,1/16,COATED,14"
12	PC, SHIELD
13	PC, SHIELD
14	PC, SHIELD
15	PC, BOTTOM PANEL
16	PC, SHIELD,CONVEYOR DRIVE
17	PC, SHIELD
18	PC, SUPPORT
19	PIN, SHIELD RETAINER,PLTD
20	PC, DEFLECTOR
21	BELTING,DROP CHUTE
22	PC, SHIELD

## Installation of the Flat Conveyor on Towed TMR Mixers

5. To aid in the installation of the conveyor, place skids (1) between the lower support frame of the platform. Use either:
  - 3/4" x 36" wide x 72" long piece of plywood
  - 2 of 1" x 4" x 72" long lumber.
6. Place the conveyor between the platform uprights and under the tub floor.

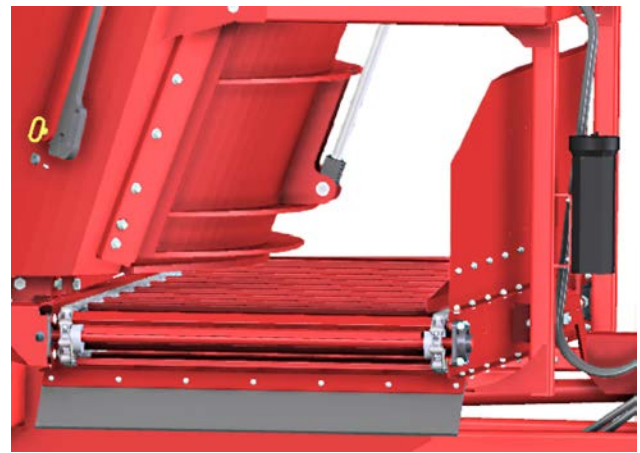
Note: The conveyor is heavy. Use appropriate lifting devices

- Install from the right side of the machine otherwise the conveyor motor will not clear the tub.



Skids To Help with Installation of Conveyor  
(1" x 4" x 72" Skids Shown)

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Put the Conveyor in Place

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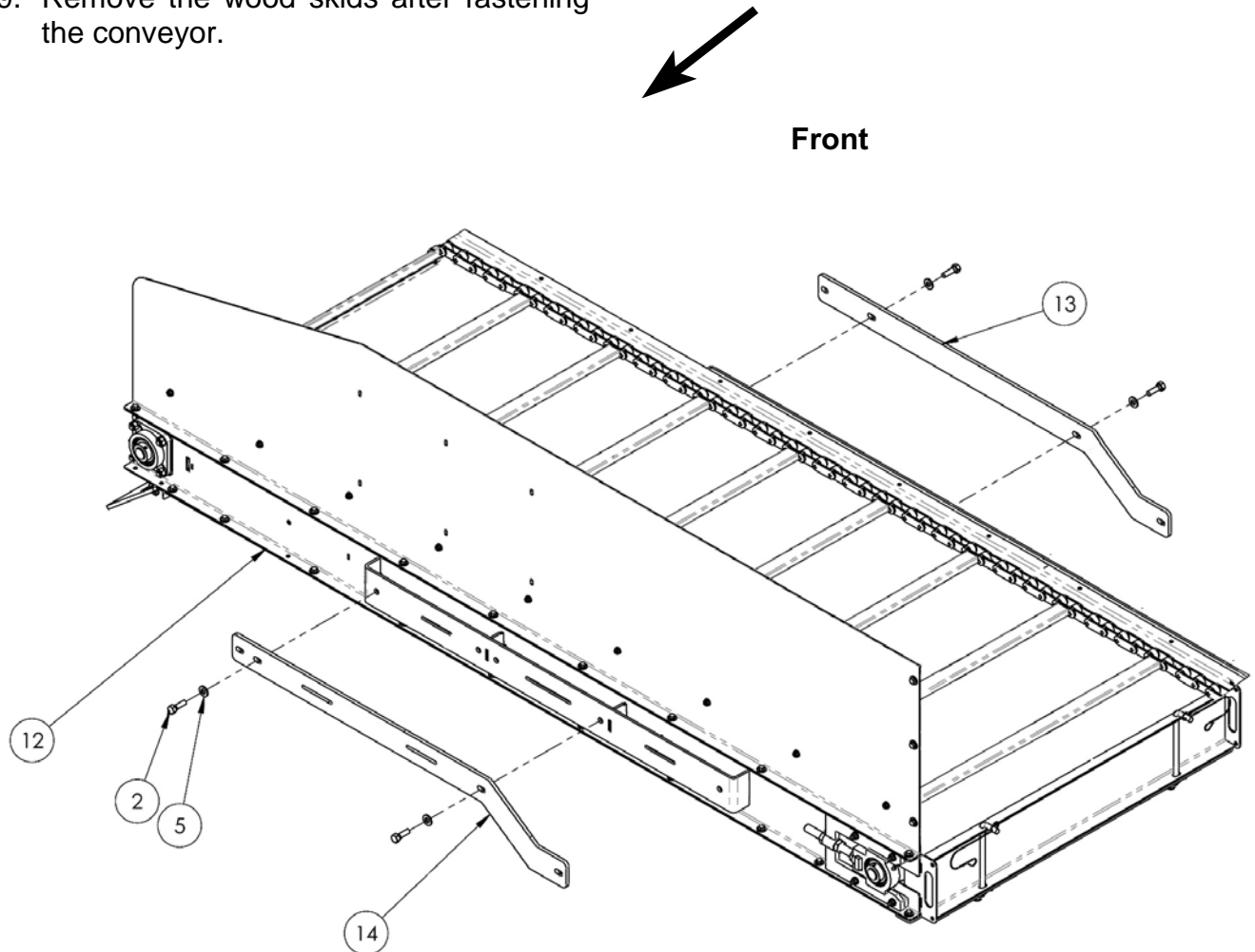
7. In this assembly procedure, the conveyor will be mounted so the discharge end of the conveyor is about flush with the right side of the tub.

Note: An alternate conveyor position is possible. This alternate position is for the discharge end of the conveyor to extend beyond the right side of the tub.

To mount the conveyor in this alternate position, some different shields would need to be ordered.

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8. Fasten the conveyor (12) to the support brackets according to the conveyor position (see above) relative to the right tub wall.
  - Fasten the conveyor with 4 of ½" 1-1/4" hex bolt (2), ½" flatwasher (5) and flange locknut.
9. Remove the wood skids after fastening the conveyor.



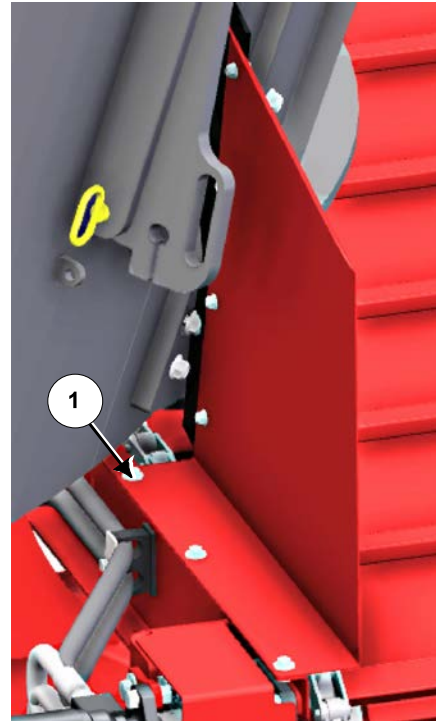
Fasten the Flat Conveyor

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10. Attach the right rear shield to the conveyor.

- Fasten the shield with 3 of 5/16" x 3/4" hex bolts (1), flat washers and flange locknuts.

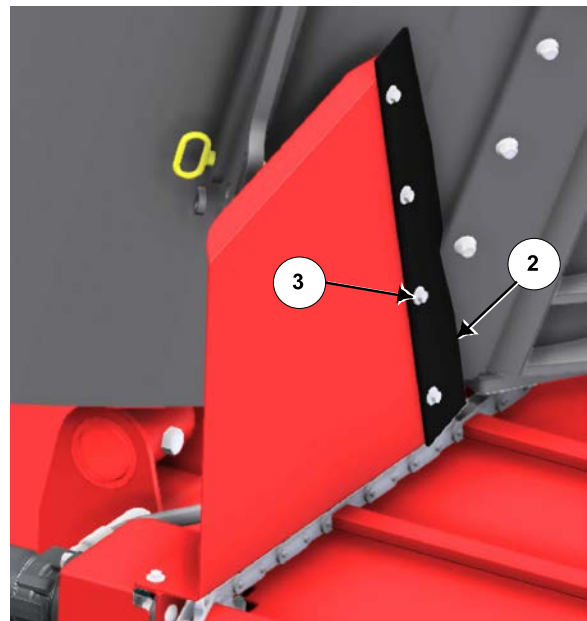
Note: If mounting the conveyor in the alternate position to extend beyond the right side of the tub, some different shields would need to be ordered and installed.



Attach the Right Rear Shield to Conveyor

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11. Attach the rubber spill guard (2) to the shield with 4 of 5/6" x 1-3/4" hex bolts (3), flat washers against the rubber and flange locknuts.



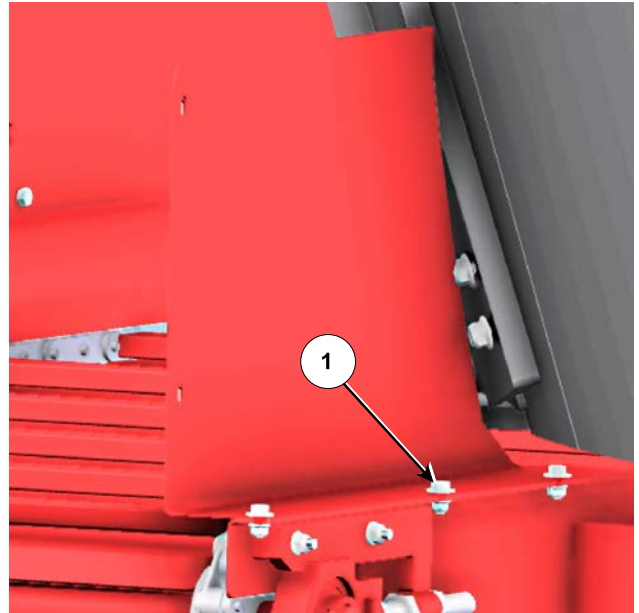
Attach the Rubber Spill Guard

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## *Installation of the Flat Conveyor on Towed TMR Mixers*

12. Attach the left rear conveyor side shield to the conveyor.

- Fasten the shield with 3 of 5/16" x 3/4" hex bolts (1), flat washers and flange locknuts.

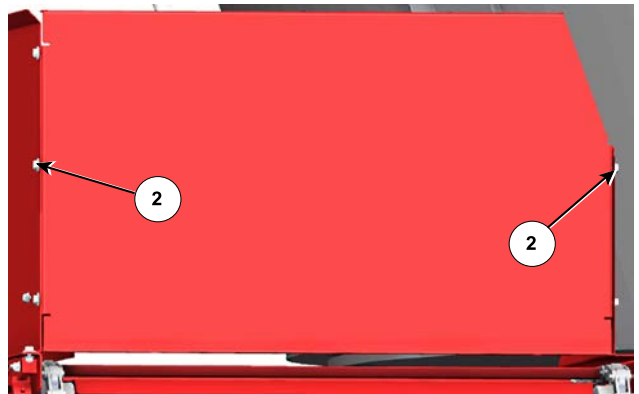


Attach the Left Rear Conveyor Side Sheet

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13. Attach the conveyor end shield to the left front and rear shields.

- Fasten the shield with 5 of 5/16" x 3/4" hex bolts (2), flat washers and flange locknuts.

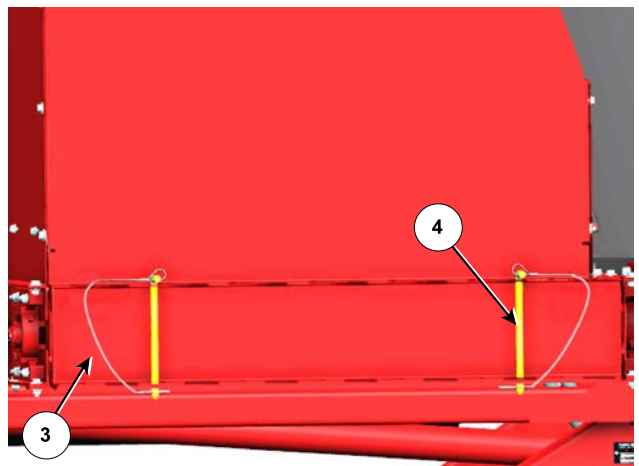


Attach the Conveyor End Shield

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14. Install the conveyor clean out door (3).

- Fasten in place with the shield pin retainers (4).

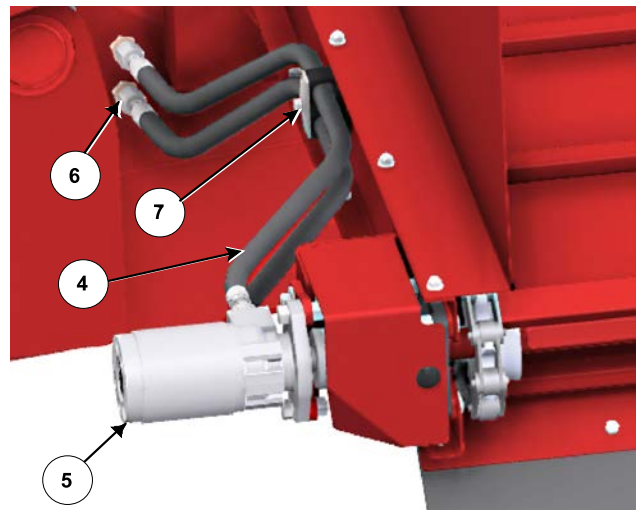


Install the Conveyor Clean Out Door

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## ***Installation of the Flat Conveyor on Towed TMR Mixers***

15. Connect 2 of ½" x 30" hydraulic hoses (4) to the conveyor motor (5).
  - Connect the other end of the hydraulic hoses to the bulkhead fittings (6) on the mixer frame.
  - The bulkhead fittings connect to hoses that go to the tractor.
  - Fasten the hoses to the side of the conveyor with the hose clamp (7) and a 5/16" x 1-3/4" hex bolt.



Connect the Hydraulic Hoses

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