



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 Tub While Parts Are Rotating

Before entering the tub:

- Turn off the tractor and remove the key.
- Wait for rotating parts to stop

Contact with the rotating flail drum will cause serious injury or death.



The installation of the Discharge Door consists of:

- installing the door
- installing the cylinder and locks
- installing the hydraulic fittings and hoses for either a 1 remote (Joystick) configuration, 2 remote or a 3 remote configuration.

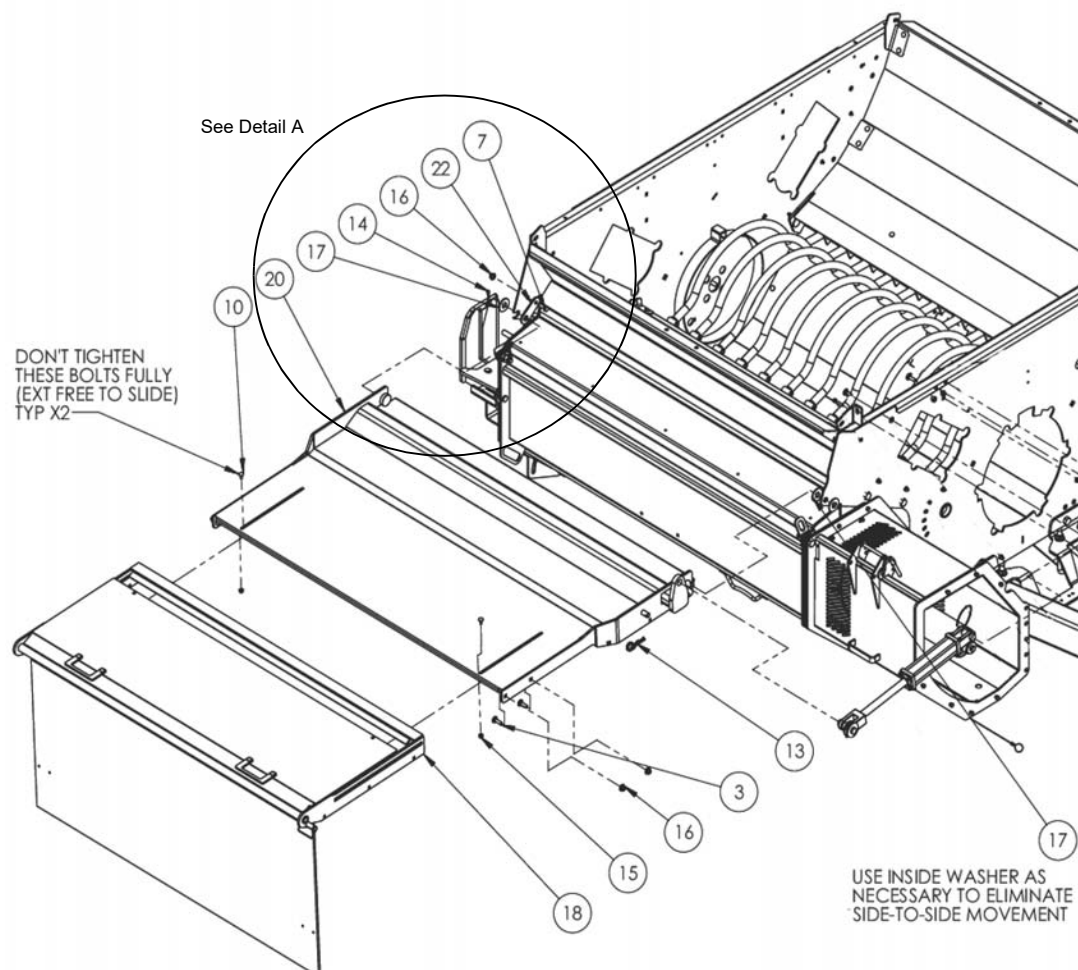
Install the Door

1. Install the door as shown in the table and diagram below.

Note: It may be necessary to ream out the hole on the front tub wall for the front pin to fit.

Installation of the Discharge Door on BP 663

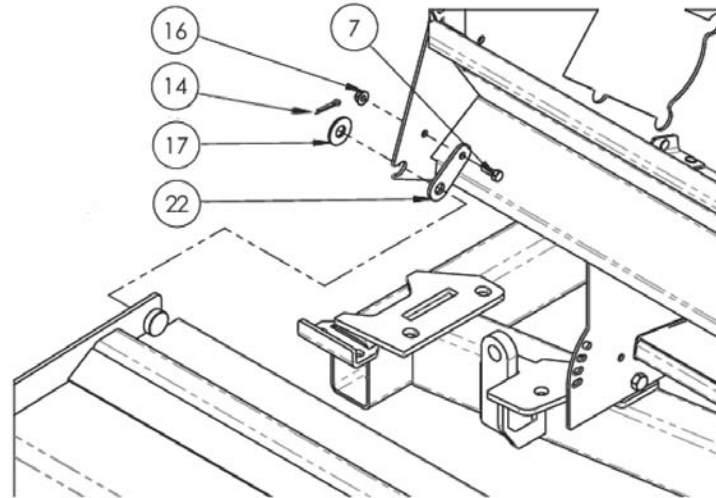
ITEM	DESCRIPTION
3	BOLT,CARR,1/2X1-1/2,UNC,GR5,ZP
7	BOLT,HEX,1/2X1-1/4,UNC,GR5,ZP
10	BOLT,CARR,3/8X3/4,UNC,GR5,ZP
13	PIN,HITCH,.2X3.625,DBL_LOOP,ZP
14	PIN,COTTER,1/4X1-3/4
15	NUT,FLG,LOCK,3/8,UNC,GR5,ZP
16	NUT,FLG,LOCK,1/2,UNC,GR5,ZP
17	WASHER,FLAT,7/8,ZP
18	ASSY,UPPER DISCHARGE,EXTENSION
20	MAIN DOOR,UPPER DISCHARGE
22	KEEPER,DOOR,DISCHARGE



Install Discharge Door to Machine

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Detail A - Door Hinge



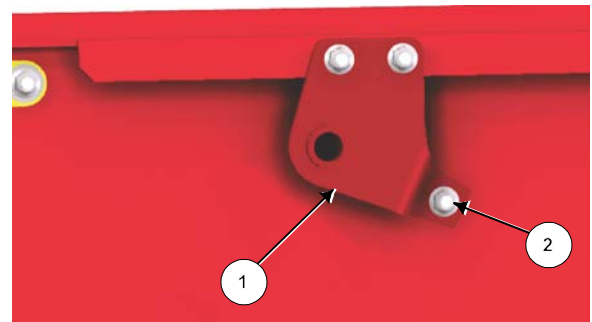
Install the Cylinder Bracket and Lock Strap To The Front Wall

1. Install the cylinder bracket (1) to the right side of the front tub wall.
 - Fasten with 3 of $\frac{1}{2}$ " x 1-1/4" hex bolts and stover locknuts (2).



Installed Cylinder Bracket and Lock Strap

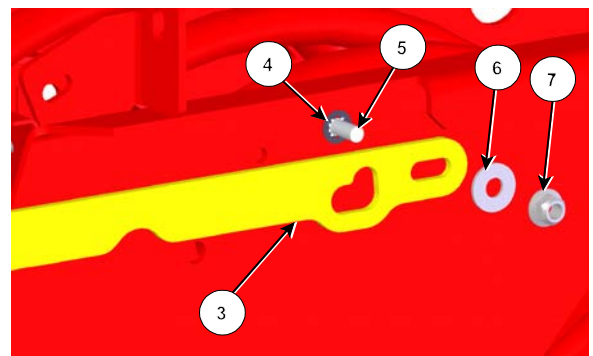
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Install the Cylinder Bracket

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2. Install the door lock (3) using a $\frac{1}{2}$ " x 1-1/4" carriage bolt (5) through the front tub wall, a bolt retainer (4), a $\frac{1}{2}$ " flat washer (6) and $\frac{1}{2}$ " flange locknut (7)
 - Do not tighten completely. Allow for rotation of the lock (3) around the bolt (5).

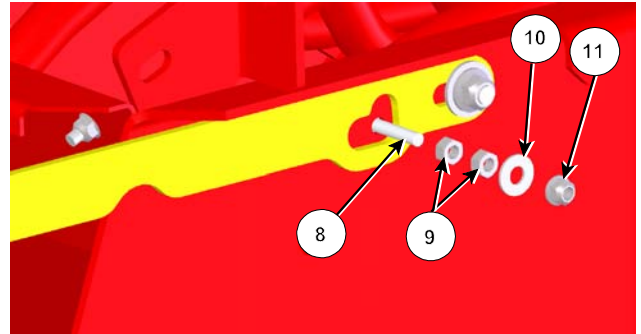


Install the Door Lock

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Installation of the Discharge Door on BP 663

3. Install a 3/8" x 1-3/4" hex bolt (8) through the front tub wall and through the lock.
 - Place 2 of 3/8" hex nuts (9) onto the bolt and tighten securely against the tub wall.
 - Place a 3/8" flat washer (10) and 3/8" flange locknut (11) onto the bolt and tighten securely.



Install the Lock Bolt

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Install the Hydraulic Cylinder

1. Lift the discharge door and secure it with the lock and a clip pin.
2. Install the cylinder base onto the bracket mounted to the tub wall.
 - Position the cylinder with the ports facing downward.
 - Install the cylinder pin, washers and fasten.
3. Install the cylinder rod clevis onto the lower mount bracket and the door lug.
 - Install the cylinder pin, washers and fasten.



Install the Door Cylinder

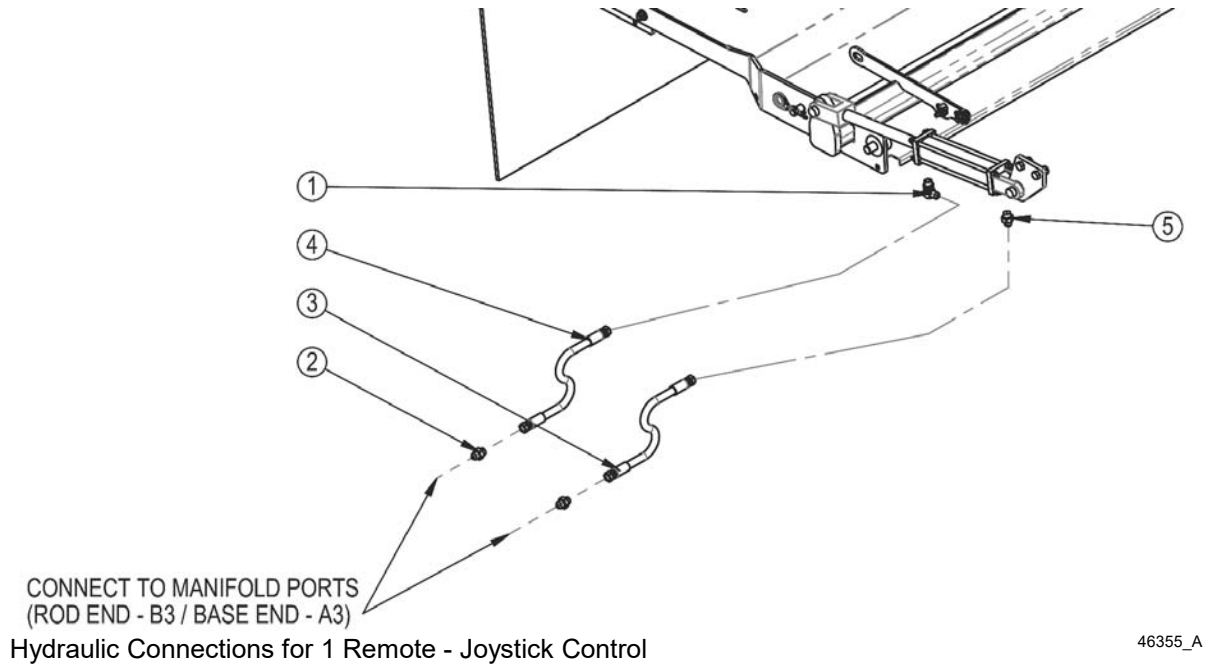
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Install the Hydraulic Fittings and Hoses

1 Remote Configuration - Joystick

1. Install the fittings into the cylinder.
2. Attach the hoses according to the table and diagram below.

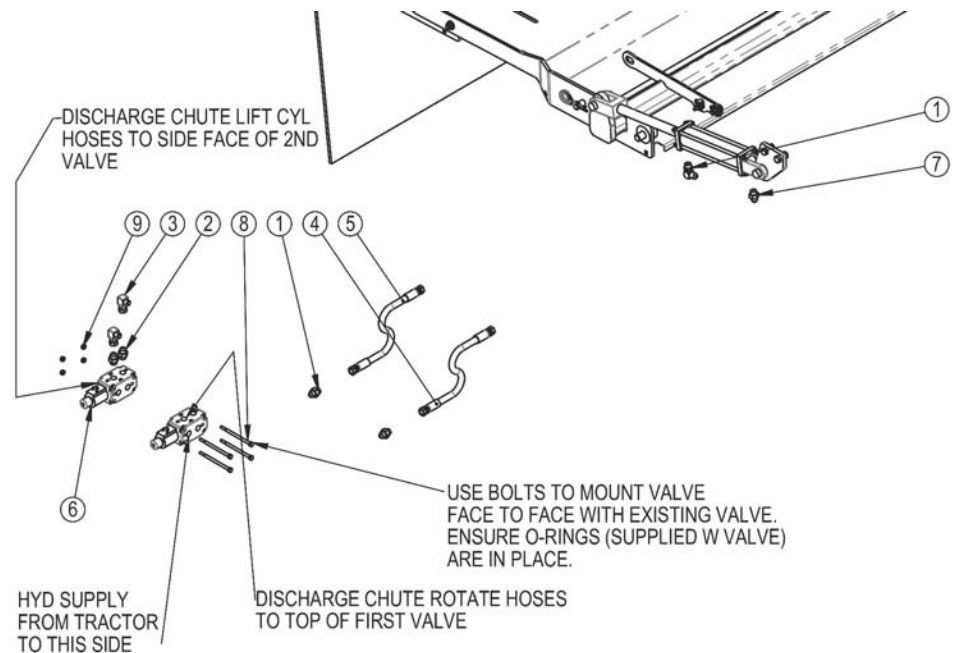
ITEM	DESCRIPTION
1	HYD,FIT,ELBOW,8MB-8MJ90
2	HYD,FIT,ADAPTER,8MB-8MJ
3	HYD,HOSE,3/8X54,8FJX-8FJX,2W
4	HYD,HOSE,3/8X60,8FJX-8FJX,2W
5	HYD,FIT,ADAPTER,8MB-8MJ,031 ORIFICE



3 Remote Configuration

1. Install the fittings into the cylinder.
2. Attach the selector valve to the existing selector valve.
3. Attach the hoses according to the table and diagram below.

ITEM	DESCRIPTION
1	HYD,FIT,ELBOW,8MB-8MJ90
2	HYD,FIT,ADAPTER,8MB-8MJ
3	HYD,FIT,ELBOW,8FJX-8MJ90
4	HYD,HOSE,3/8X54,8FJX-8FJX,2W
5	HYD,HOSE,3/8X60,8FJX-8FJX,2W
6	HYD,VALVE,ELEC DOUBLE SELECTOR
7	HYD,FIT,ADAPTER,8MB-8MJ,031 ORIFICE
8	BOLT,HEX,5/16X5,UNC,GR5,ZP
9	NUT,STOVER,5/16,UNC,ZP



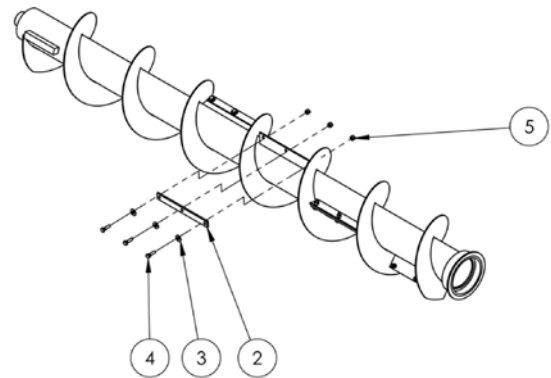
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Install the Rubber Paddles onto the Discharge Auger

The purpose of the rubber paddles on the auger is to increase throw distance. The paddles can be left on when open field feeding or bunking.

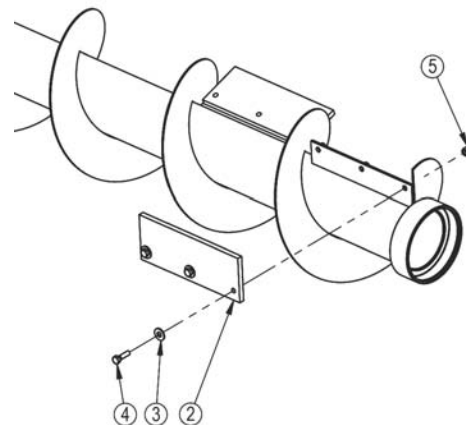
Note: If the auger already has the rubber paddles installed this step can be skipped.

1. Remove the 5 metal ballast weights from the auger.
 - Keep the fasteners (3,4 & 5) to be used when installing the rubber belting.
 - The metal ballasts (2) can be discarded.
2. Install the 5 rubber paddles (2) onto the auger as shown in the diagram.
 - Re-use the bolts (4), flat washers (3) and locknut (5) that were taken off earlier.



Remove the Metal Ballasts from Auger

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Install the Rubber Paddles

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