



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:

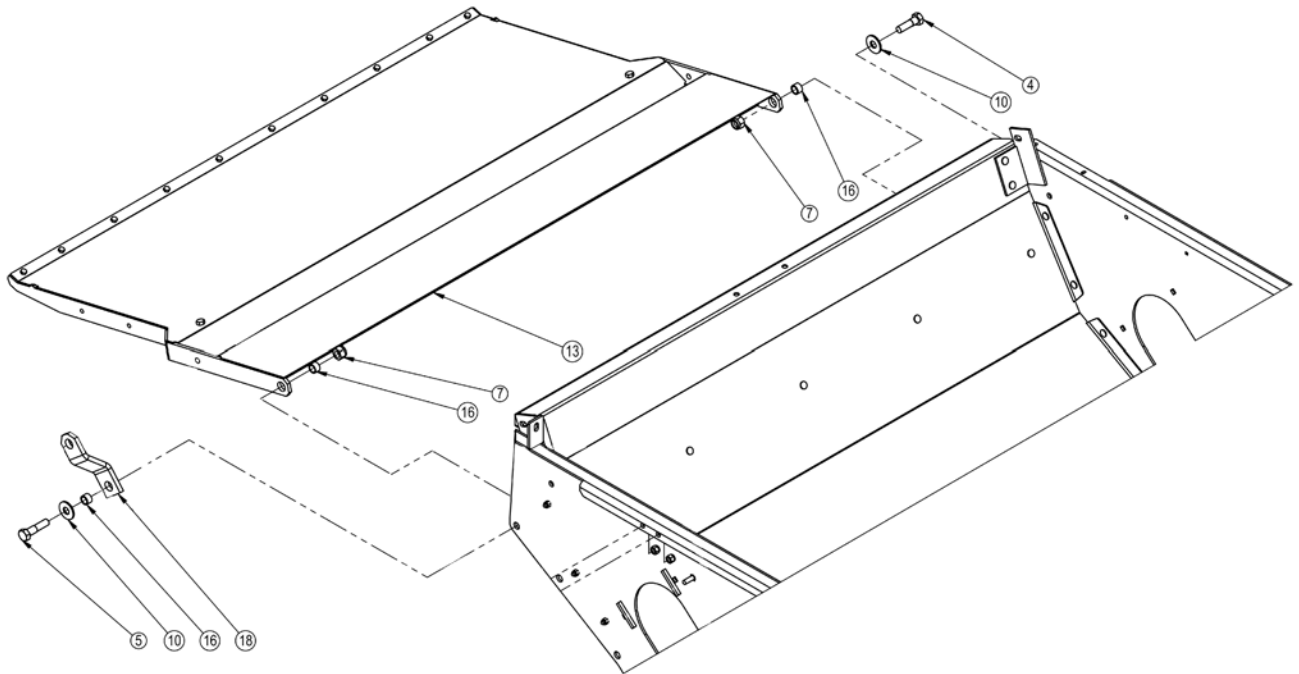
- installing the door
- installing the cylinder and locks
- installing the hydraulic fittings and hoses for either a 1 remote (Joystick) configuration or a 3 remote configuration.

Install the Door

1. Install the door (with rubber flap) onto the tub wall with the fasteners as shown in the table and diagram below.

Installation of the Discharge Door on the TOP GUN 650

ITEM NO.	DESCRIPTION	QTY.
4	BOLT, HEX, 3/4X2-1/2, UNC, GR5, ZP	1
5	BOLT, HEX, 3/4X3, UNC, GR5, ZP	1
7	NUT, NYLOCK, 3/4, UNC, ZP	2
10	WASHER, FLAT, 3/4, ZP	2
13	ASSY, DISCHARGE DOOR	1
16	PIPE, DOM, 1X.120X5/8L	3
18	ARM, OFFSET, DOOR, TOP	1



Install The Door to the Tub Walls

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Installation of the Discharge Door on the TOP GUN 650

Install the Cylinder Bracket and Lock Strap To The Front Wall

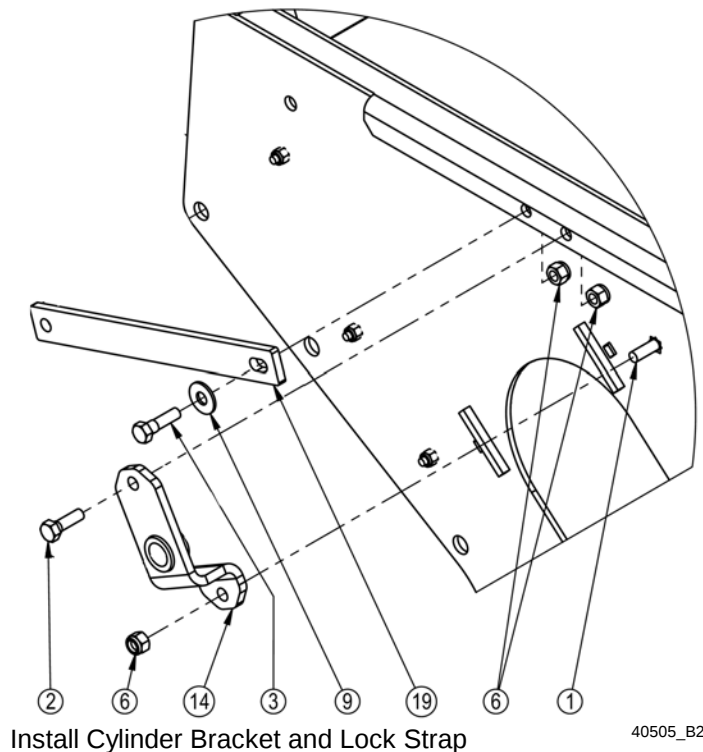
1. Install the cylinder bracket to the right side of the front tub wall.
 - Install as shown in the table and diagram below.
 - Allow the lock strap to rotate around the bolt.



Install Cylinder Bracket & Lock Strap

215115

ITEM NO.	DESCRIPTION	QTY.
1	BOLT,CARR,1/2X1-1/2,UNC,GR5,ZP	1
2	BOLT,HEX,1/2X1-1/2,UNC,GR5,ZP	1
3	BOLT,HEX,1/2X1-3/4,UNC,GR5,ZP	3
6	NUT,NYLOCK,1/2,UNC,ZP	5
9	WASHER,FLAT,1/2,ZP	2
14	LUG,CYL,DOOR	1
19	LOCK,DOOR,LONG,HL	1



Installation of the Discharge Door on the TOP GUN 650

Install the Door Lug and Lock Strap

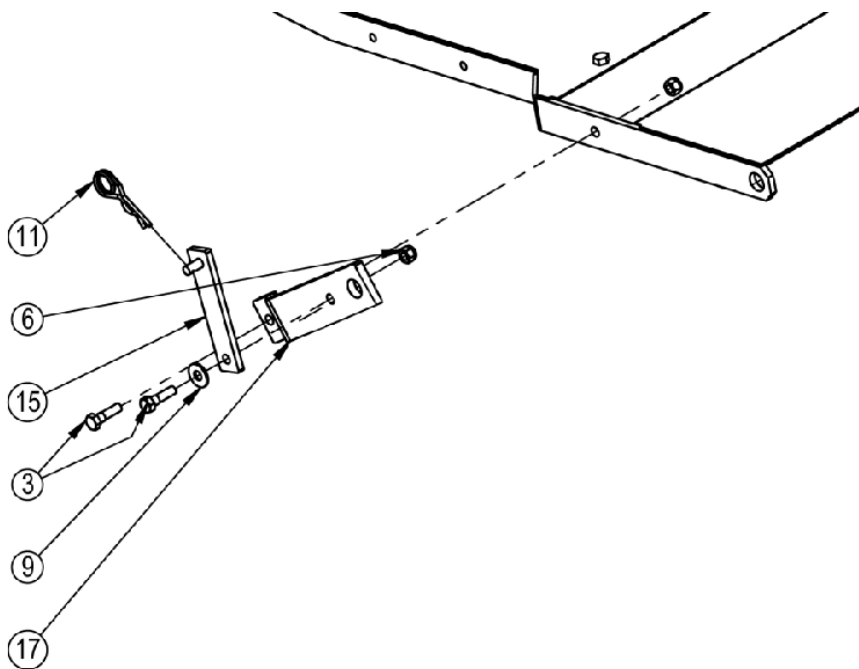
1. Install the lock short strap to the door lug.
 - Allow the lock strap to rotate around the bolt.
2. Install the door lug to the door.
 - Install as shown in the table and diagram below.



Install the Lock Strap and Door Lug

215116

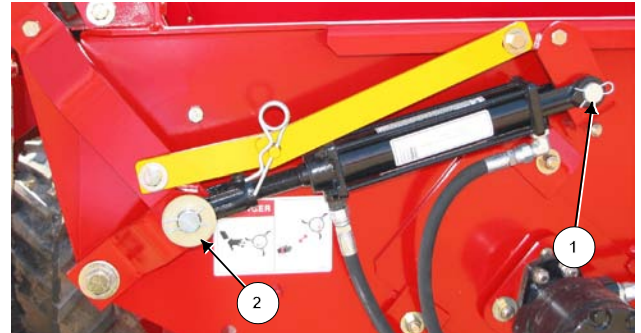
ITEM NO.	DESCRIPTION	QTY.
3	BOLT,HEX,1/2X1-3/4,UNC,GR5,ZP	3
6	NUT,NYLOCK,1/2,UNC,ZP	5
9	WASHER,FLAT,1/2,ZP	2
11	PIN,HITCH,.2X3.625,DBL_LOOP,ZP	1
15	LOCK,DOOR,LONG	1
17	LUG,OFFSET,DOOR,TOP	1



40505_B3

Install the Hydraulic Cylinder

1. Lift the discharge door and fasten it.
2. Install the cylinder base (1) onto the bracket mounted to the tub wall.
 - Position the cylinder with the ports facing downward.
 - Install the cylinder pin and fasten.
3. Install the cylinder rod clevis onto the lower mount bracket and the door lug.
 - Place a washer (2) onto the cylinder pin on the outside of the cylinder clevis.



Install the Cylinder

215117

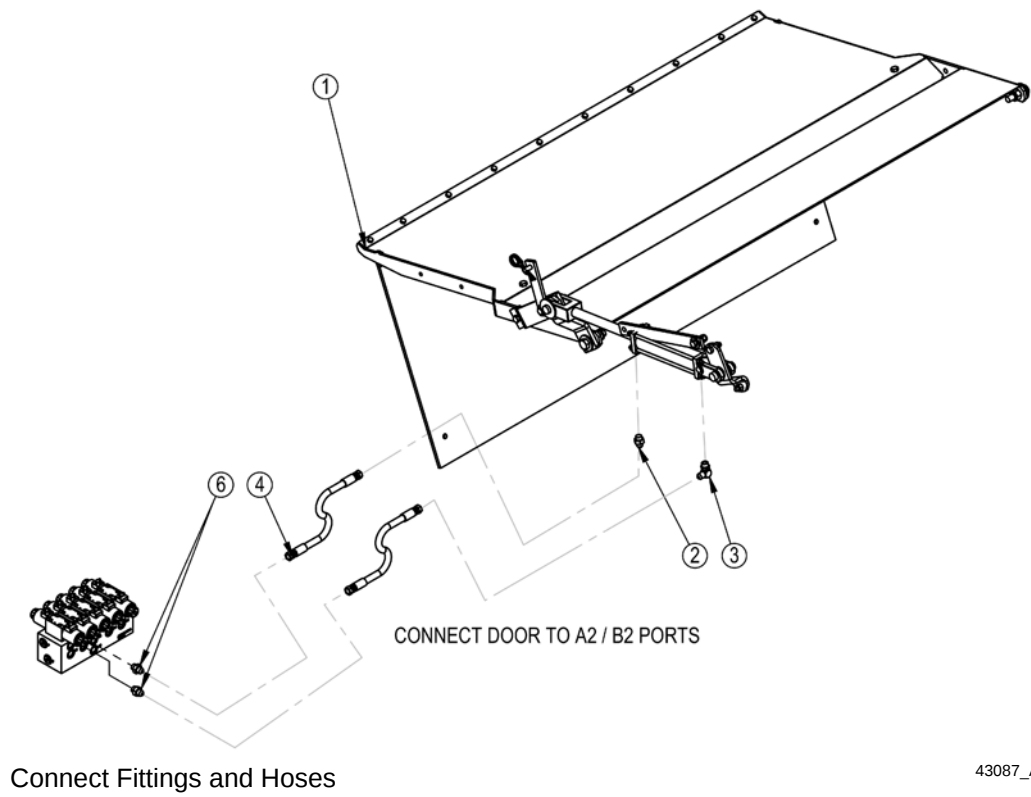
Install the Hydraulic Fittings and Hoses

1 Remote Configuration - Joystick

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

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	40505	ASSY,DISCHARGE DOOR,TOP,HL	1
2	33224	HYD,FIT,ADAPTER,8MB-8MJ,031ORIFICE	1
3	30211	HYD,FIT,ELBOW,8MB-8MJ90	1
4	31956	HYD,HOSE,3/8X56,8FJX-8FJX,2W	2
5	E15320V1	INSTRUCTION SHEET,FIO DISCH DOOR	1
6	30215	HYD,FIT,ADAPTER,8MB-8MJ	2

Installation of the Discharge Door on the TOP GUN 650

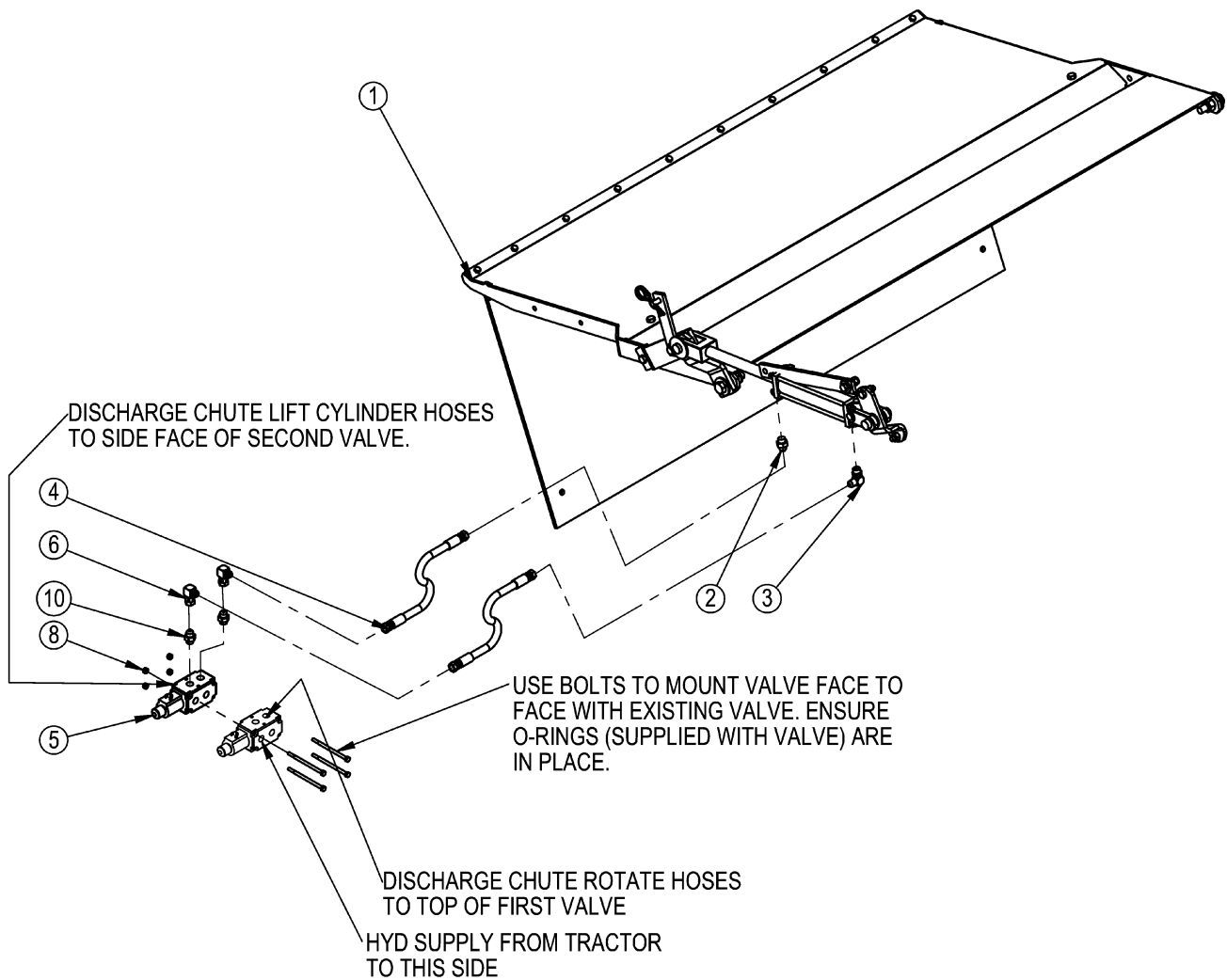


3 Remote Configuration

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 NO.	PART NO.	DESCRIPTION	QTY.
1	40505	ASSY,DISCHARGE DOOR, TOP,HL	1
2	33224	HYD,FIT,ADAPTER,8MB-8MJ,031ORIFICE	1
3	30211	HYD,FIT,ELBOW,8MB-8MJ90	1
4	31956	HYD,HOSE,3/8X56,8FJX-8FJX,2W	2
5	33201	HYD,VALVE,ELEC_DOUBLE_SELECTOR	1
6	30436	HYD,FIT,ELBOW,8FJX-8MJ90	2
7	34904	BOLT,HEX,5/16X5,UNC,GR5,ZP	4
8	31177	NUT,NYLOCK,5/16,UNC,ZP	4
10	30215	HYD,FIT,ADAPTER,8MB-8MJ	2

Installation of the Discharge Door on the TOP GUN 650



Connect Selector Valve, Fittings and Hoses

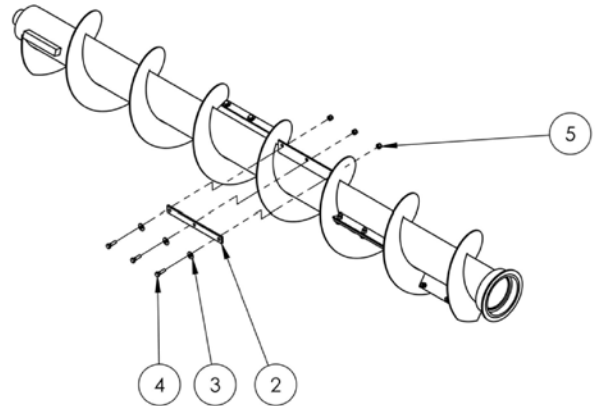
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Install the Rubber Paddles onto the Discharge Auger

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

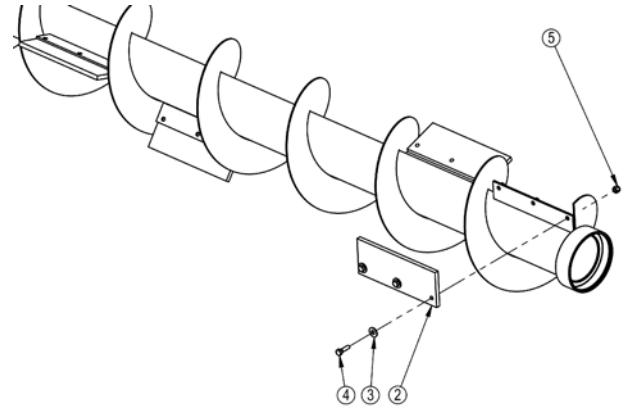
Note: If the auger already has the rubber paddles installed this step can be skipped.

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

43106_A2



Install the Rubber Paddles

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