

CONVERSION MANUAL

Adapting 5200 Series Manifolds for 4200 Series Pumps

Protect Workers and Equipment with the Jetstream® Visual Safety System*

Yellow	Green	Blue	Orange
10,000 PSI	15,000 PSI	20,000 PSI	40,000 PSI
690 Bar	1,034 Bar	1,379 Bar	2,758 Bar

Be sure operators are using the right equipment.
New color coded parts and accessories clearly show water-blast components in use are correctly and safely suited to current pump pressures with the Visual Safety System.



- Easy to use and implement
- Easy to see at a distance
- Helps keep workers safe
- Helps prevent equipment damage



*Complies with WJTA visual safety system color guidelines

FLUID END CONVERSION

OVERVIEW

Jetstream 5200 Series manifolds can be adapted to operate on 4200 Series pumps. The following are instructions for converting the water lube system of the 5200 manifold to use the 4200 Series water lube harness.

Please consult Jetstream Customer Service for additional information.

PARTS NEEDED

PART NUMBER	DESCRIPTION	QUANTITY
50889	Wrench, 7/8" Hex Key	1
54261	Stud, Manifold	2
53795*	Harness Ay, Lube Package	1

- Users will also need thread tape and anti-seize compound.
- An adapter to install the water lube harness package may be needed depending on which 5200 Series manifold is being installed.

*Items included in Part Number 53795:

ITEM	QTY	PART NUMBER	DESCRIPTION 1	DESCRIPTION 2
1	2	26465	Nipple, 1/8 HX	BRS (J/S) 7/16 HX
2	1	27101	Valve, Ball, 3/4" NPT	FxF, Brass, 125 PSI WP
3	3	27475	Valve, Needle, 1/8" NPT	FMxFM, Brass, 150 PSI
4	6	27732	Adapter, 1/8" NPTM x 1/4	Presto-Lok Hose, Brass
5	1.5 ft	27740	Tubing, Plastic, 1/4" OD	Black
6	2.0 ft	27740	Tubing, Plastic, 1/4" OD	Black
7	2.5 ft	27740	Tubing, Plastic, 1/4" OD	Black
8	1	53792	Manifold, Water Lube	4240 Series Triplex
9	1	60815	Nipple, 1/8 NPT x 2 LG	Brass, 7/16 HX

STEP 1

REMOVE THE OLD PUMP MANIFOLD

- a. Relieve pressure from the pump, shut off the engine, and disengage the clutch.
- b. Turn off the water supply, drain the water tank.
- c. Remove the two bolts that secure the hydro-throttle switch aluminum housing to the brass cartridge in the manifold. Remove the switch and housing and set aside.
- d. Disconnect the bypass drain hose and the supply coupling from the manifold.
- e. Open the rod box cover and disconnect the lubrication lines from the stuffing box fittings (Figure 1).
- f. Remove the cotter pin from the hinge rod and remove the rod (Figure 2).
- g. Remove the top manifold bolts at each corner (Figure 3).

Note: The pump wrench can be used with a hammer to remove the manifold bolts.

- h. Install manifold mounting studs PN 54261 into the two open holes to allow for easier install of the new manifold.
- i. Remove remaining manifold bolts.
- j. With assistance, lift the manifold from the pump.

CAUTION

Use two people to lift the manifold. The manifold is heavy and failure to use two people may cause serious injury.

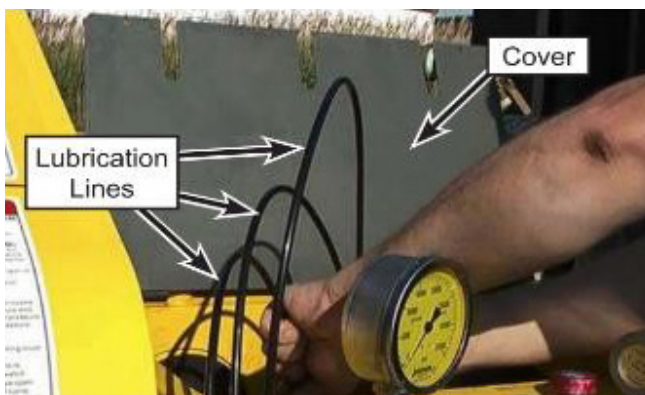


Figure 1: Disconnecting Lubrication Lines

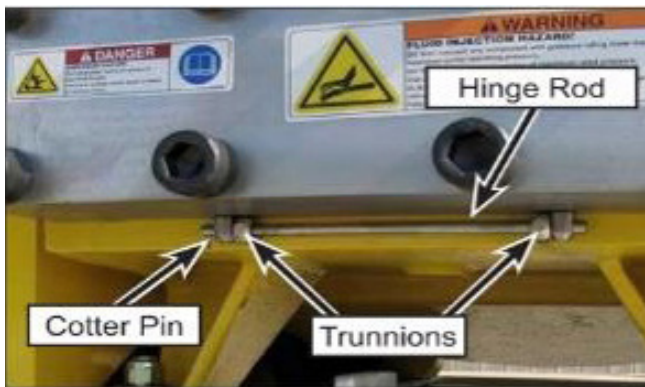


Figure 2: Hinge Rod, Trunnions, and Cotter Pin

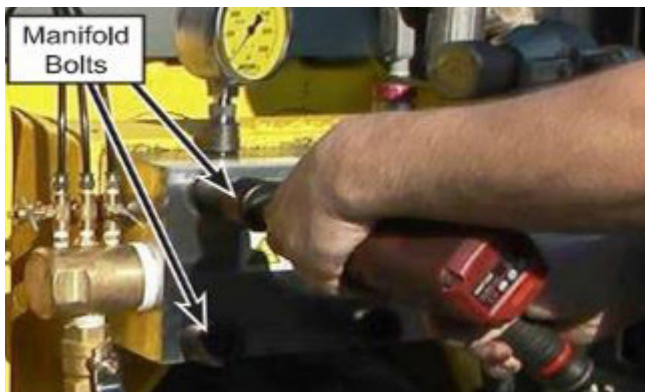


Figure 3: Manifold Bolt Removal

STEP 2

- a. Remove installed o-ring from water lube port in back of 5200 manifold. Save this O-ring for future conversions.
- b. On Plug 68542, wrap Teflon® tape 3 – 4 times around clockwise
- c. Add anti-seize to wrapped threads of plug to prevent galling.
- d. Install plug in 5200 water lube manifold port located on the valve side of the manifold, without o-ring (Figure 4).

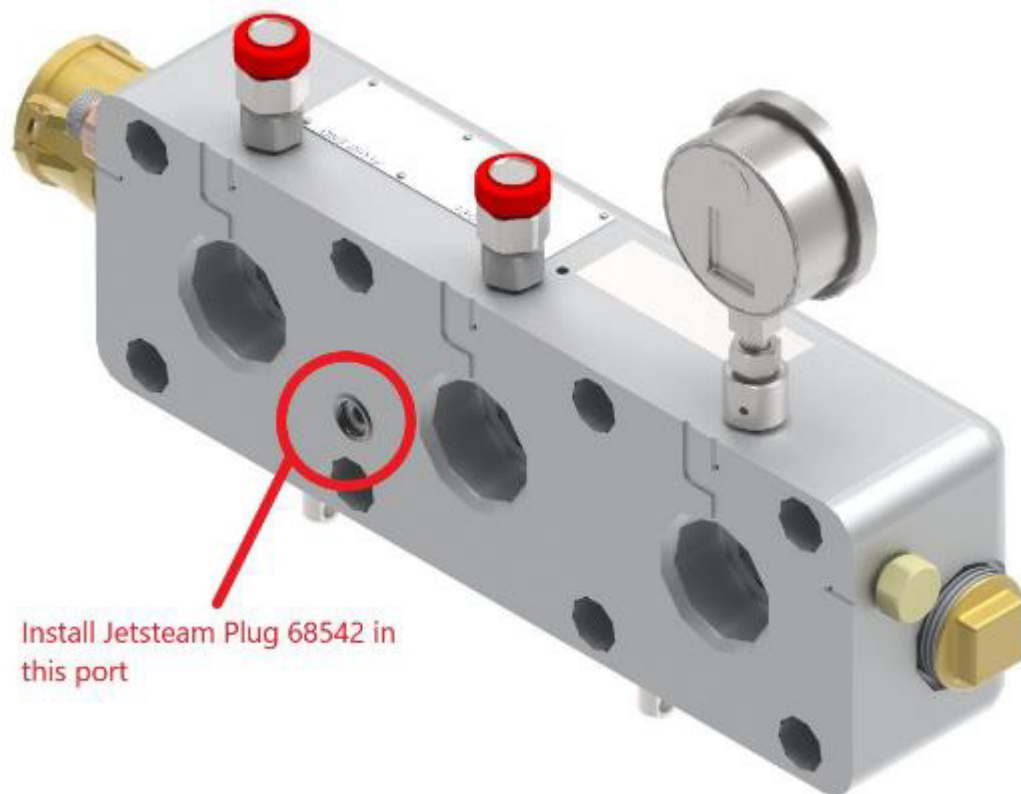


Figure 4: Install Plug in 5200 Series Manifold

STEP 3

- a. Apply 3-4 wraps of Teflon® tape clockwise around the 1" NPT water lube harness assembly (PN 53795).
- b. Add anti-seize to wrapped threads of plug to prevent galling.
- c. Install harness assembly into manifold (Figure 5).

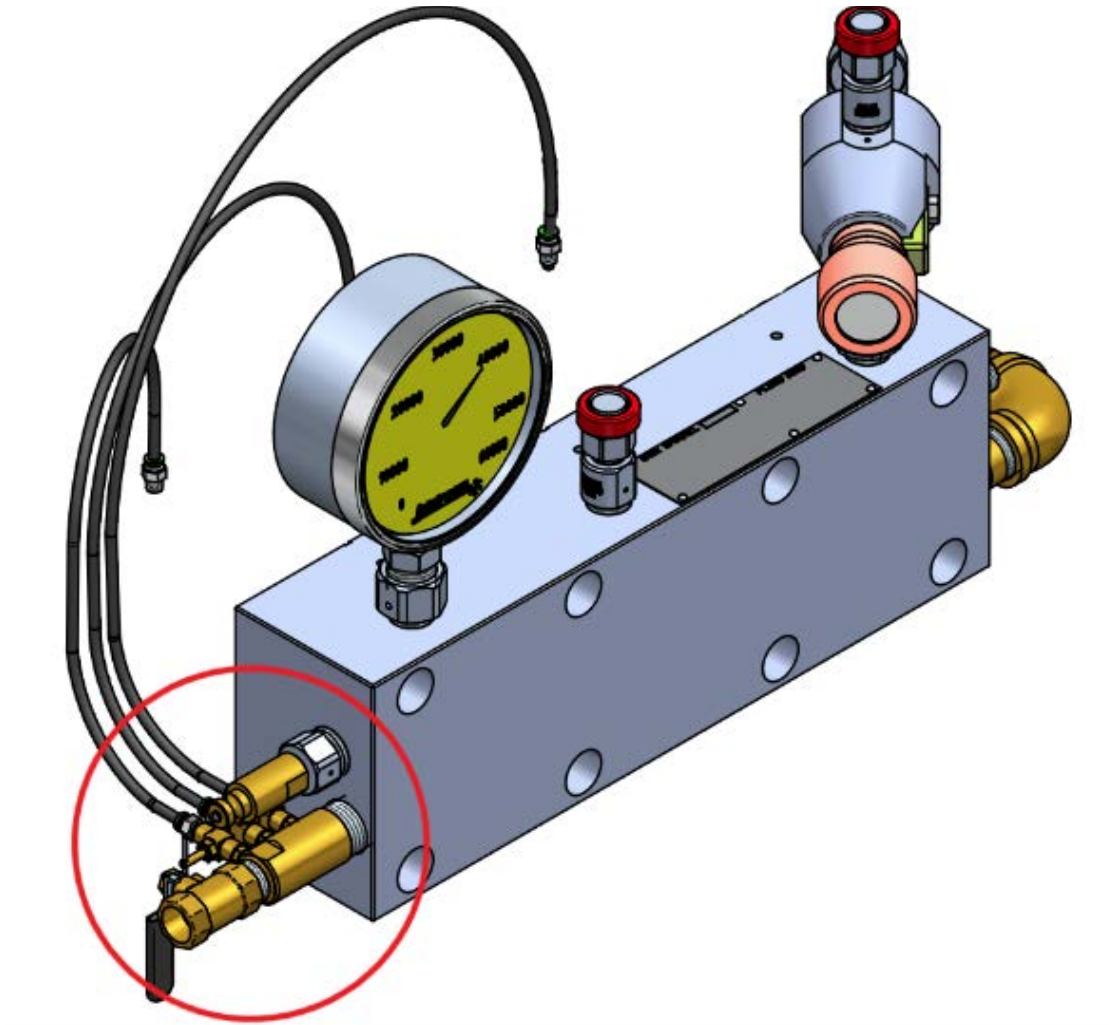
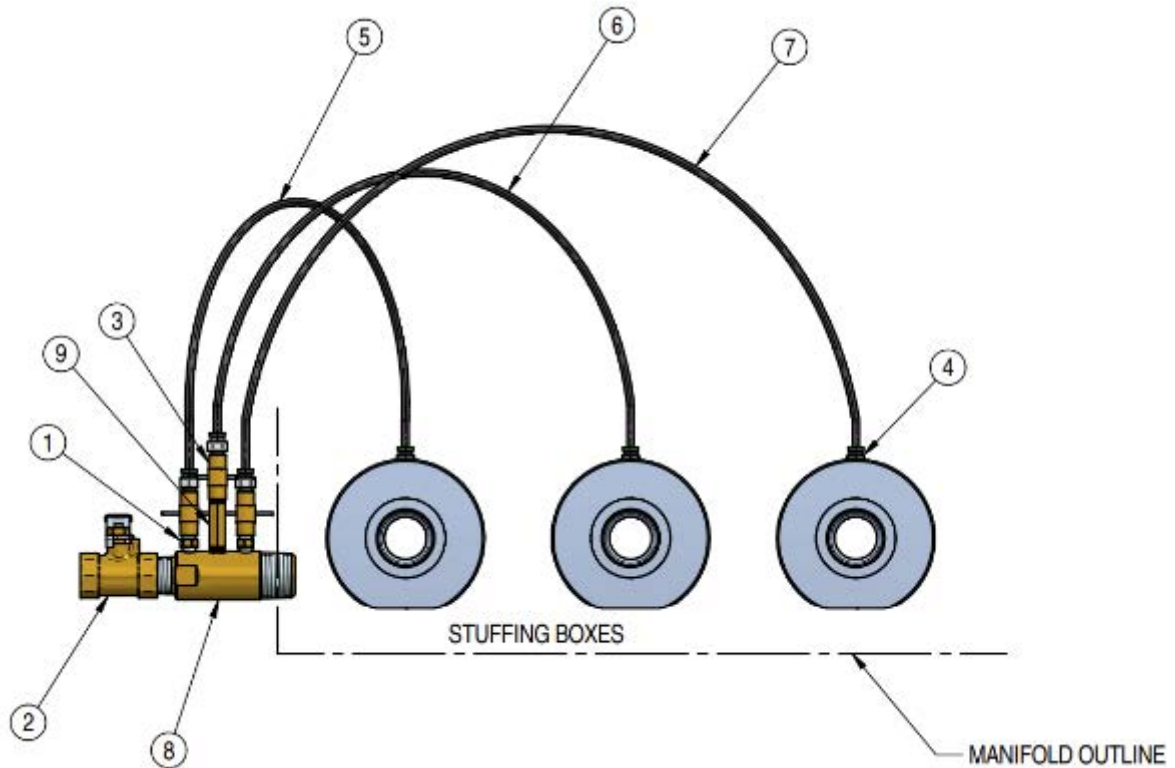


Figure 5: Install Lubrication Harness Assembly Into Manifold

STEP 4

- Install Item 4 (27732 ADAPTER, 1/8 NPTM X 1/4) into the stuffing boxes.
- Route water lube lines through the rod box cover and insert into stuffing box fittings (Figure 6).



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Figure 6: Connecting Water Lube Lines to Stuffing Boxes



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