

LSV-510652 SPRAY VALVE

SERVICE INSTRUCTIONS

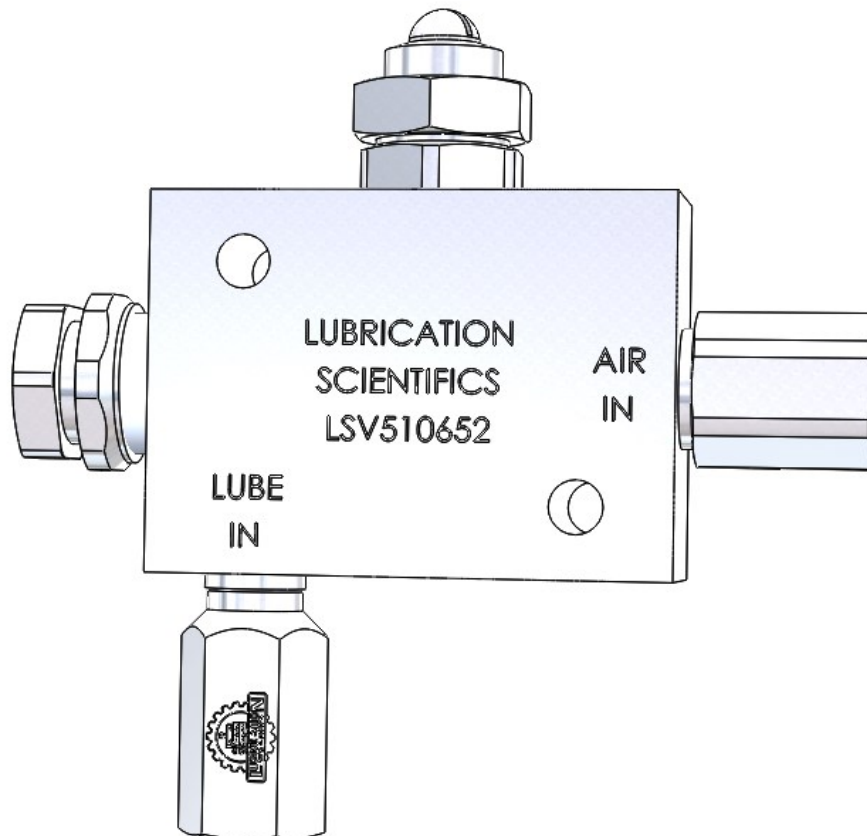
SAFETY INSTRUCTIONS:

DO NOT EXCEED MAXIMUM WORKING PRESSURE. SYSTEMS SHOULD NOT BE IN OPERATION WHILE CONDUCTING ANY ASSEMBLY OR DISASSEMBLY OF COMPONENTS.

MODELS:

LSV-510652-4 — 4 INCH SPRAY PATTERN, NORMAL

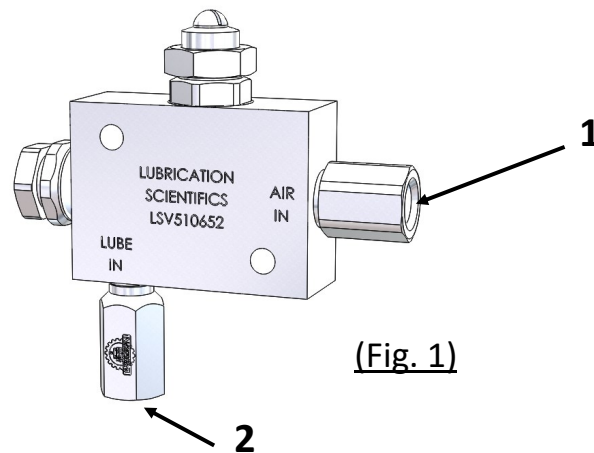
LSV-510652-8 — 8 INCH SPRAY PATTERN, WIDE



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INSTALLATION INSTRUCTIONS:

After securely mounting the spray valve, connect the air supply line to the air inlet (1) and the lube supply line to the lube inlet. (2) (Fig. 1)



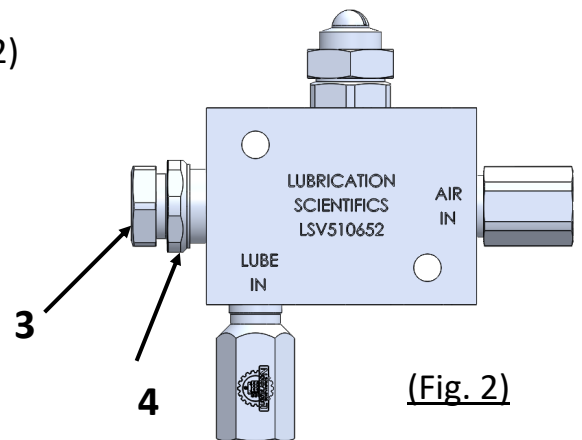
ADJUSTING "AIR ON TIME":

To DECREASE air on time:

- A. Turn adjustment sleeve (3) counter clock wise. (Fig. 2)
- B. Tighten lock seal nut (4) to secure the adjustment sleeve in place. Torque nut to 12 ft-lbs. (16.27 Nm) (Fig. 2)

To INCREASE air on time:

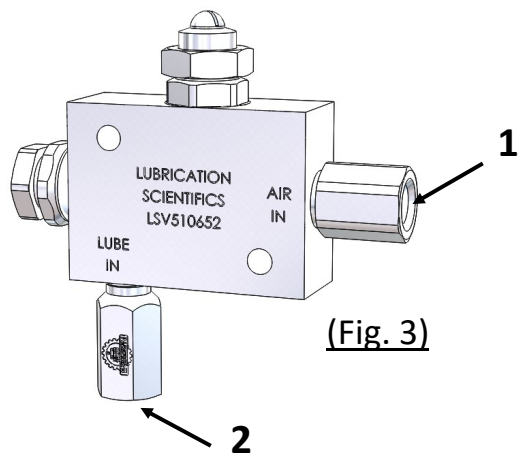
- A. Loosen lock nut (4) (Fig. 2)
- B. Turn adjustment sleeve (3) clockwise. (Fig. 2)
- C. Tighten lock seal nut (4) to secure the adjustment sleeve in place. Torque nut to 12 ft-lbs. (16.27 Nm) (Fig. 2)



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PRE-DISASSEMBLY PROCEDURE:

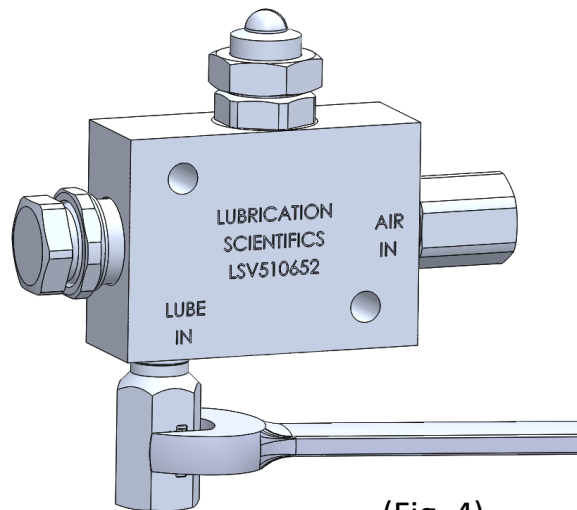
1. Make sure lubrication system electrical power is OFF and relieve lubrication system pressure.
2. Relieve air pressure
3. Remove the air line from air inlet fitting (1) (Fig. 3)
4. Remove the lube supply line from check valve (2) (Fig. 3)



(Fig. 3)

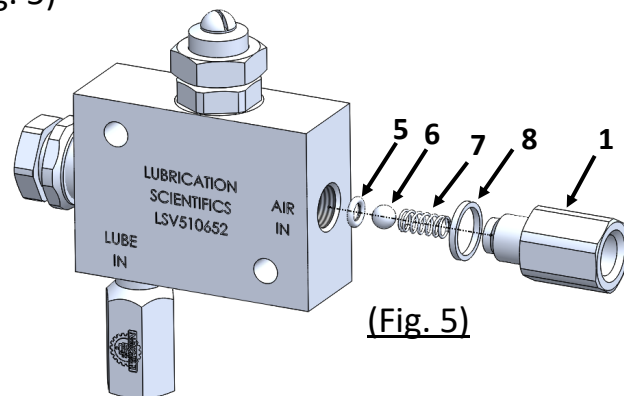
VALVE DISASSEMBLY:

1. Use an 11/16" wrench to remove the check valve (2) (Fig. 4)



(Fig. 4)

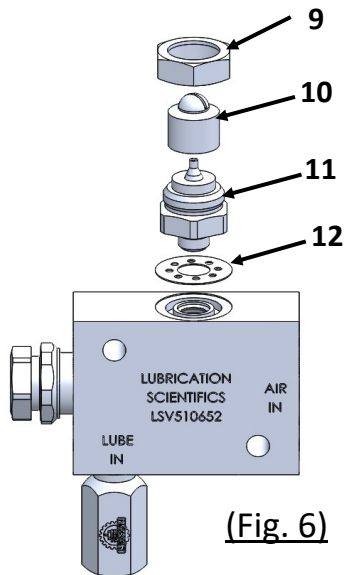
2. Remove the air inlet assembly (5, 6, 7, 8, 1) (Fig. 5)



(Fig. 5)

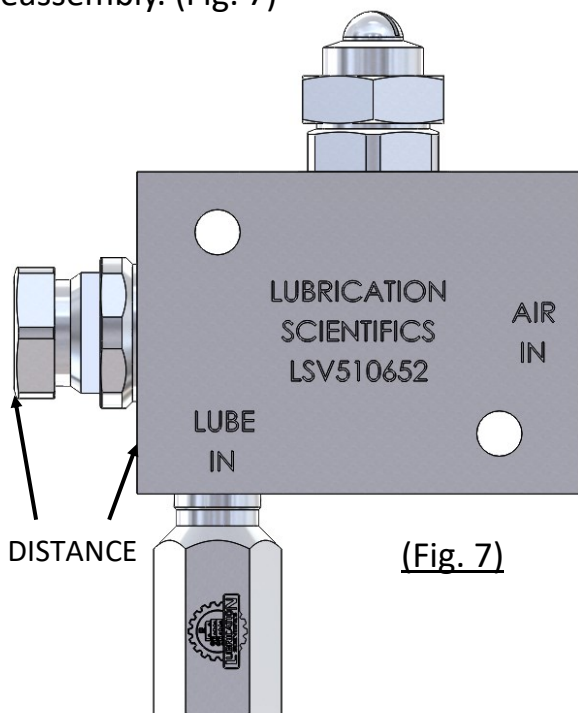
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3. Remove the air valve spray assembly (9, 10, 11, 12) (Fig. 6)



(Fig. 6)

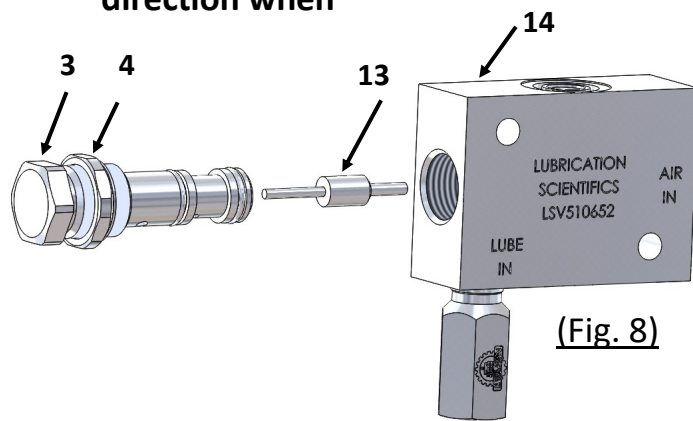
4. Measure and note the distance of the adjustment screw to ensure it is set to the same location during reassembly. (Fig. 7)



(Fig. 7)

5. Remove spray valve piston assembly (3, 4, 14, 15) (Fig. 8)

NOTE: During disassembly of piston assembly, note piston's (13) orientation in the valve body (14) to ensure it is reinstalled in the correct direction when



(Fig. 8)

6. Once all components are disassembled clean components with a compatible solvent and soft clean rag as required.

7. During the cleaning process inspect parts for wear or damage. Replace worn or damaged parts. Repair kit ##### contains:

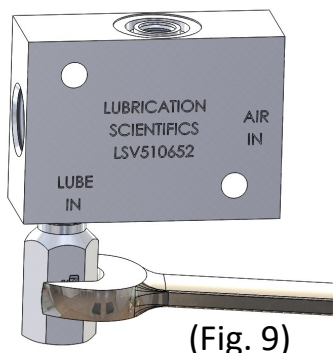
- Stainless steel ball
- O-ring, -013 Viton
- Copper gasket
- Check valve spring
- Spray nozzle gasket
- O-ring, - 008

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Reassembly

1. Apply thread sealant to the check valve (2) threads. Install the check valve (2) in the LUBE IN port of the valve body (14) ensuring not to cross thread or over-tighten check valve.

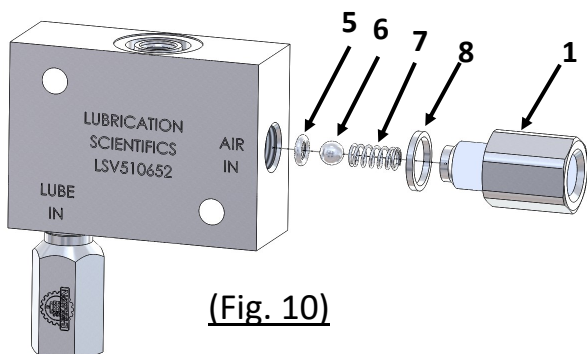
(Fig. 9)



(Fig. 9)

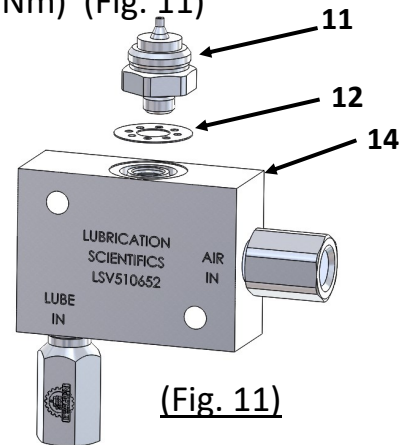
2. Apply a thin layer of oil to copper washer(8). Install washer on air inlet fitting (1).

Install the o-ring (5) and ball (6) in the valve body (14) and then install the spring (7). Install the air inlet fitting (1). Torque cap to 20ft-lbs (27.12 Nm) (Fig.



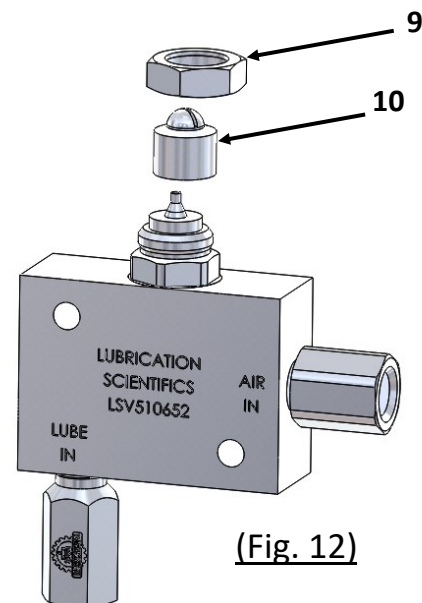
(Fig. 10)

3. Spray components: Apply a thin layer of oil to gasket (12). Seat gasket (12) in the valve body (14). Install valve spray fluid cap (11). Torque cap to 6 ft-lbs. (8.14 Nm) (Fig. 11)



(Fig. 11)

4. Install the air valve spray air cap (10) and spray valve retaining nut (9) over the valve spray cap (10). Torque the retaining nut (9) to 6 ft-lbs. (8.14 Nm)



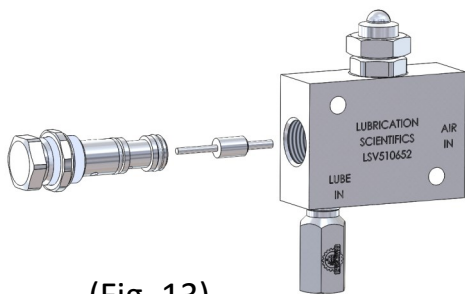
(Fig. 12)

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5. Apply a thin layer of oil to the spray valve piston . Install piston in adjustment sleeve making sure orientation is correct.

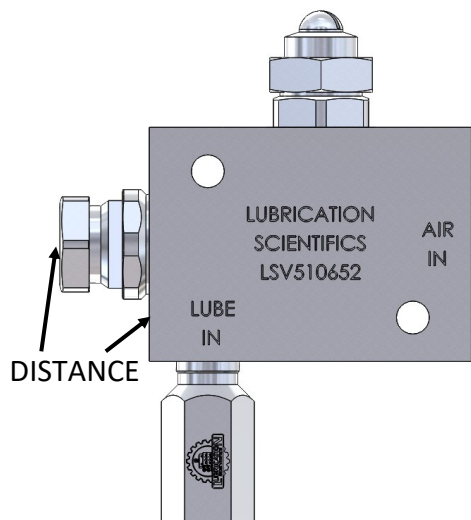
Note: The longer end of the piston is installed into the adjustment sleeve.

6. Install adjustment assembly in valve body (15) (Fig. 13)



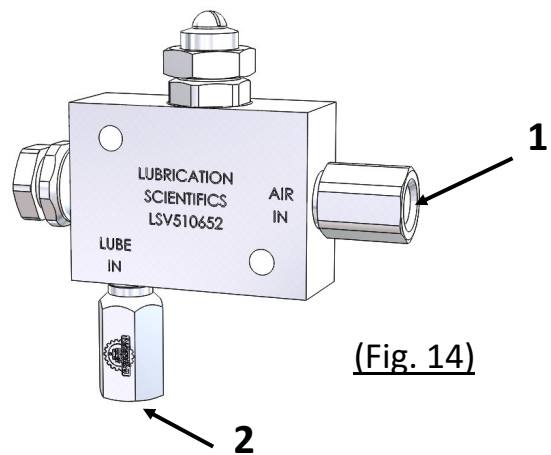
(Fig. 13)

7. Measure and set the distance of the adjustment screw (3) using measurement taken in Step 4 page 4.



8. Tighten seal nut to secure the adjustment sleeve. Torque to 12 ft-lbs. (16.27 Nm).

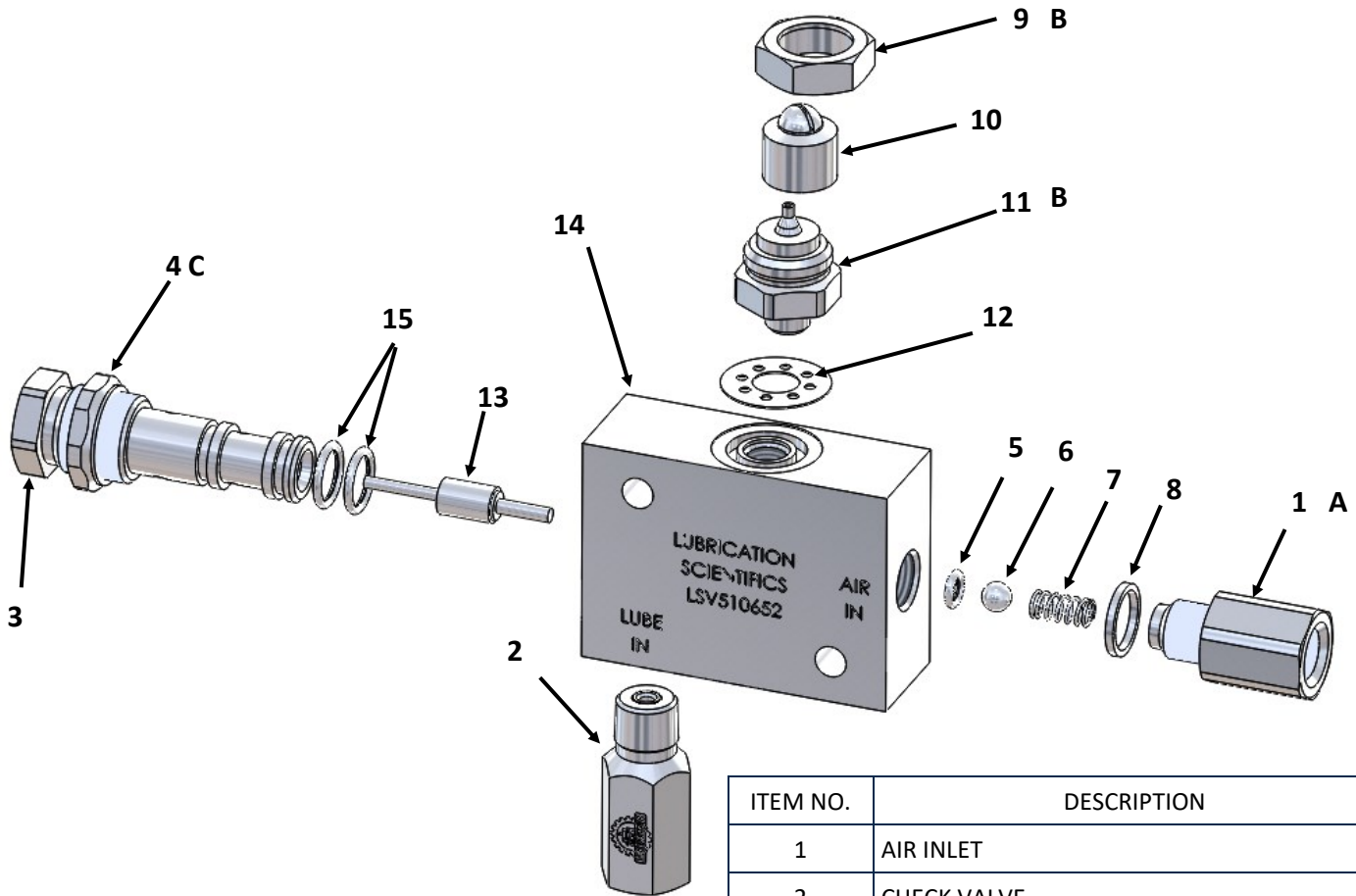
9. Connect air line to AIR IN port fitting (1) and lube supply line to the LUBE IN check valve (2) (Fig. 14).



(Fig. 14)

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PARTS LIST



TORQUE SPECIFIFCATIONS:

- A. TORQUE TO 20 FT-LBS (27.12 Nm)
- B. TORQUE TO 6 FT-LBS (8.14 Nm)
- C. TORQUE TO 12 FT-LBS (16.27 Nm)

ITEM NO.	DESCRIPTION
1	AIR INLET
2	CHECK VALVE
3	ADJUSTER BODY
4	ADJUSTER SEAL NUT
5*	-008 VITON O-RING
6*	1/4" 316 STAINLESS STEEL BALL
7*	CHECK SPRING
8*	COPPER WASHER
9	SPRAY LOCK NUT
10	AIR CAP
11	FLUID CAP
12*	GASKET
13	PISTON
14	VALVE BODY
15*	-013 VITON O-RING
* PARTS INCLUDED IN SPRAY VALVE REPAIR KIT #####	

LSV-510652 SERVICE INSTUCTIONS

TECHNICAL SHEET

MAX LUBE WORKING PRESSURE	1,300 PSI (89.6 BAR)
MIN. AIR PRESSURE	25 PSI (1.7 BAR)
MAX. AIR PRESSURE	145 PSI (10 BAR)
SPRAY PATTERNS	4INCH OR 8 INCH (10.2 cm OR 20.3 cm)
TYPICAL FLUIDS	OIL—MIN. OF 100 SUS AT 100° F GREASE NLGI #1 AT ANY TEMP., NLGI#2 AT 32° F OR ABOVE

