

Jamesbury valves Railroad ball valves supplement A to IMO-3R wrapped seat replacement

Installation, maintenance and
operating instructions

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READ THESE INSTRUCTIONS FIRST!

These instructions provide information about safe handling and operation of the valve.

If you require additional assistance, please contact the manufacturer or manufacturer's representative.

SAVE THESE INSTRUCTIONS!

Addresses and phone numbers are printed on the back cover.

1. GENERAL

This instruction manual contains important information regarding the installation, maintenance and troubleshooting of the Jamesbury Supplement A to IMO-R3 Wrapped Seat Replacement. Please read these instructions carefully and save them for future reference.

1.1 WARNING

FOR YOUR SAFETY, IT IS IMPORTANT THAT THE FOLLOWING PRECAUTIONS BE TAKEN PRIOR TO REMOVING THE VALVE FROM THE LINE OR BEFORE ANY DISASSEMBLY:

1. WEAR ANY PROTECTIVE CLOTHING OR EQUIPMENT NORMALLY REQUIRED WHEN WORKING WITH THE FLUID INVOLVED.
2. DEPRESSURIZE THE LINE AND CYCLE THE VALVE AS FOLLOWS:
 - A. PLACE THE VALVE IN THE OPEN POSITION AND DRAIN THE LINE.
 - B. CYCLE THE VALVE TO RELIEVE RESIDUAL PRESSURE IN THE BODY CAVITY BEFORE REMOVAL FROM THE LINE.
 - C. AFTER REMOVAL AND BEFORE ANY DISASSEMBLY, CYCLE THE VALVE AGAIN SEVERAL TIMES.
3. SEAT AND BODY RATINGS - THE PRACTICAL AND SAFE USE OF THIS PRODUCT IS DETERMINED BY BOTH THE SEAT AND BODY RATINGS. READ THE NAME TAG AND CHECK BOTH RATINGS. THIS PRODUCT IS AVAILABLE WITH A VARIETY OF SEAT MATERIALS. SOME OF THE SEAT MATERIALS HAVE PRESSURE RATINGS THAT ARE LESS THAN THE BODY RATINGS. ALL OF THE BODY AND SEAT RATINGS ARE DEPENDENT ON VALVE TYPE AND SIZE, SEAT MATERIAL AND TEMPERATURE. DO NOT EXCEED THESE RATINGS.

2. INSTALLATION

This valve is installed into the bottom of the tank car.

FOLLOW THE RECOMMENDED PRACTICES OF THE GASKET MANUFACTURER WHEN TIGHTENING FLANGE BOLTS.

2.1 ASSEMBLY & DISASSEMBLY

Basic assembly and disassembly procedures are the same as those given in the standard Installation, Maintenance and Operating Instructions (IMO), with the exception of the body cap seat replacement which is described below. Refer to IMO-R3 for assembly and disassembly instructions in addition to those given below.

DISASSEMBLY – BODY CAP SEAT ONLY

1. Disassemble valve using the instructions given in IMO-R3.
2. Remove body cap seat by grinding away the tack welds in four (4) places, and lift seat out of the insert. Be careful not to scratch the seat sealing surface on the insert.

ASSEMBLY – BODY CAP SEAT ONLY

1. Place the O-ring (29) into the groove in the back of the seat. Use silicone grease to hold the O-ring in place.
2. Clamp the seat firmly in the body cap seat cavity as shown in **(Figure 1)**.
3. Tack weld the seat in the body cap seat cavity, as shown in **(Figure 1)**, with four (4) welds 1/4" (6.35 mm) long using 308L weld rod. **DO NOT EXCEED 300°F (282.2°C) AT WELDS.**
4. Assemble the valve using the assembly instructions found in IMO-R3.

3. MAINTENANCE

Overhaul maintenance consists of replacing seats and seals.
Standard service kit RKR-33 NB consisting of these parts may be obtained through your Valmet distributor.

4. REPAIR KITS/SPARE PARTS

For further information on spare parts and service or assistance visit our web-site at www.neles.com and www.neles.com/products/valves/railroad-valves/catalogue-of-tank-car-valves/

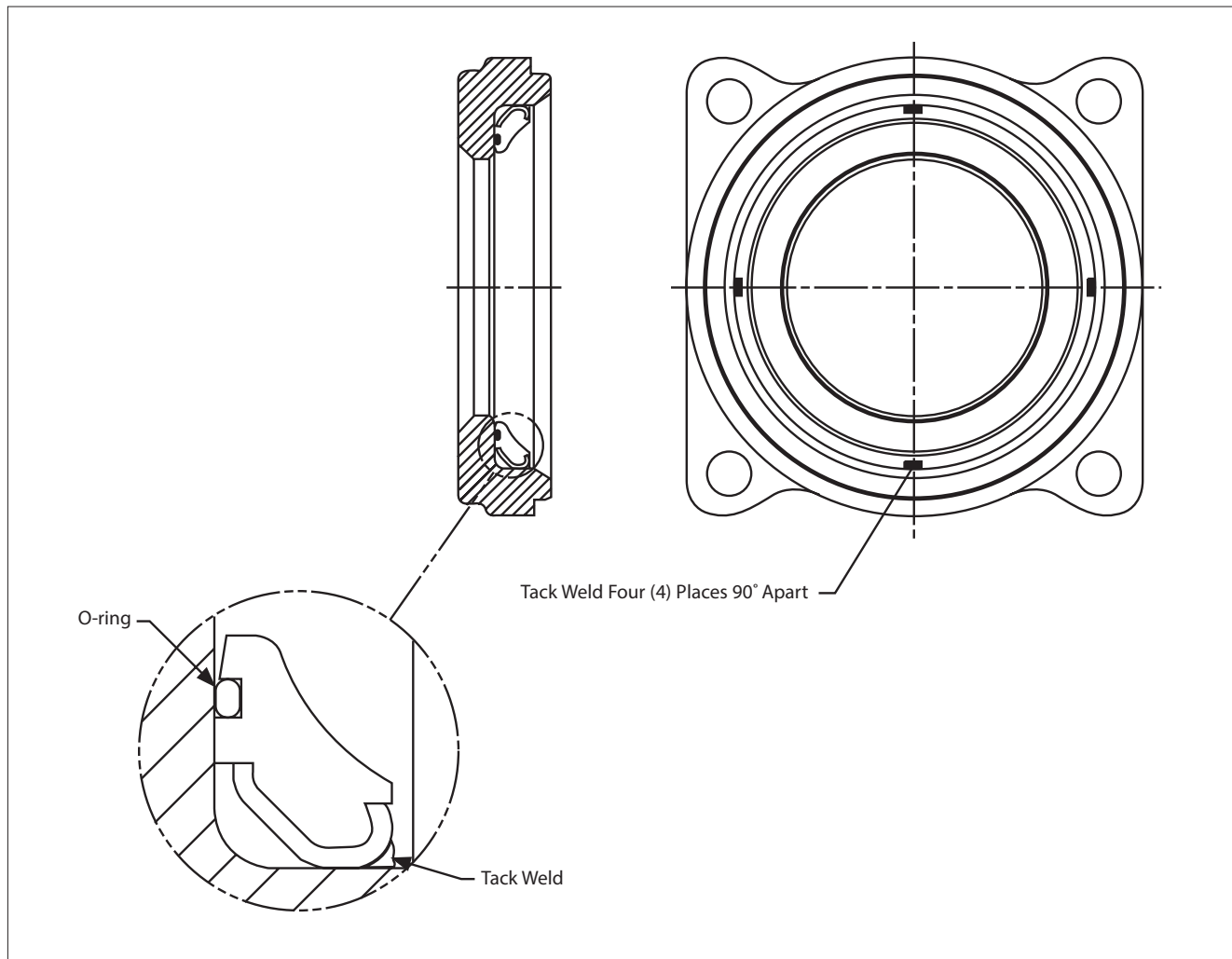


Figure 1.

Subject to change without prior notice.

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