

RUSKA 7615

Isolation Valve Repair Kit

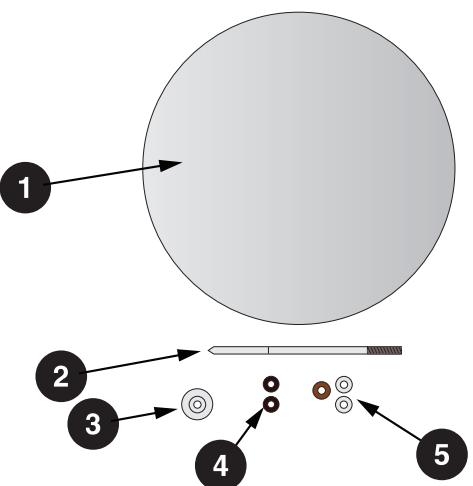
Instructions

Introduction

Use these instructions to rebuild the Isolation Valve for the RUSKA 7615 if the valve should fail.

Make sure that all of the parts in Table 1 are in the Repair Kit.

Table 1. Repair Kit Contents



No.	Description	Qty
1	Diaphragm, Neoprene, No Hole	1
2	Stem Vee	1
3	Back-up Washer	1
4	Packing Washer	2
5	Seal Kit, 2 nylon / 1 Leather	1

Remove the Isolation Valve

To remove the Isolation Valve:

1. Vent the system and power off the unit.
2. Remove the RUSKA 7615 cover.
3. Disconnect the drive air pressure.
4. Remove the fittings and isolation valve that are highlighted in Figure 1.

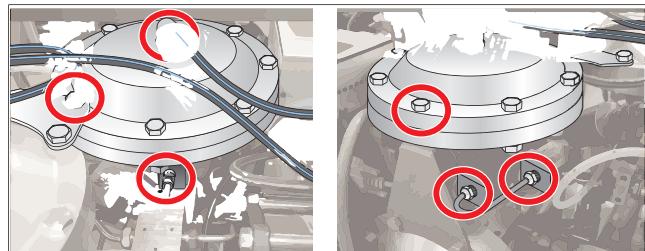


Figure 1. Isolation Valve in Ruska 7615

5. Remove the isolation valve from the RUSKA 7615. See Figure 2.

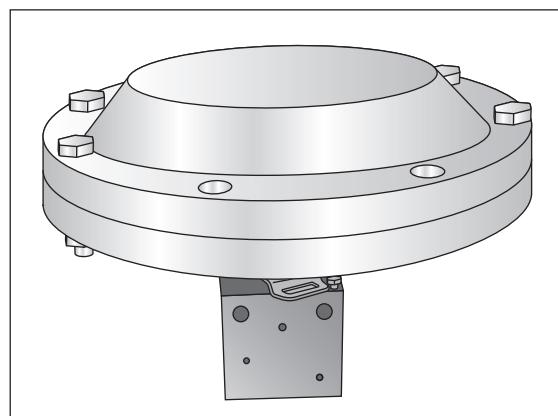


Figure 2. Isolation Valve

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Fluke Corporation
P.O. Box 9090
Everett, WA 98206-9090
U.S.A.

Fluke Europe B.V.
P.O. Box 1186
5602 BD Eindhoven
The Netherlands

ООО «Флюк СИАЙЭС»
125167, г. Москва,
Ленинградский проспект дом 37
корпус 9, подъезд 4, 1 этаж

Dissassembly

To disassemble the Isolation Valve:

1. Remove the retaining screw (Figure 3, ①).
2. Loosen the set screw (Figure 3, ②) and remove all nuts and bolts (Figure 3, ③).

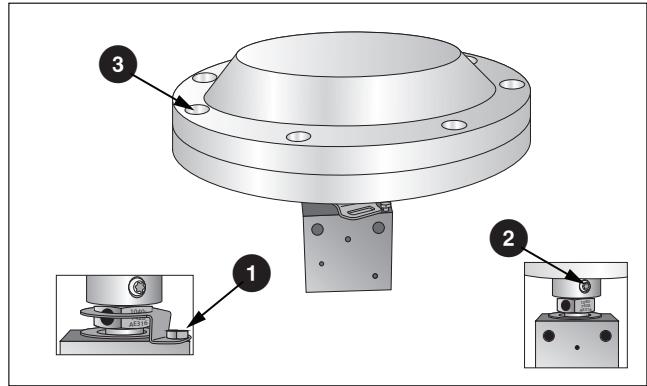


Figure 3. Isolation Valve Retaining and Set Screw

3. Remove the top cover.
4. Unscrew the lower valve body from the top half. See Figure 4.

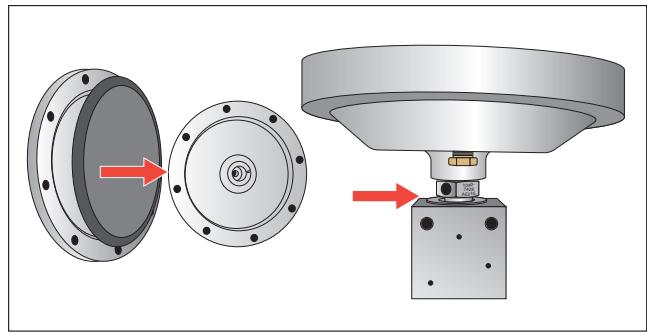


Figure 4. Diaphragm Placement

5. Remove the packing material from the valve body (Figure 5, ①). Note the order of the packing material and take note of the chamfer orientation.
6. Remove the stem vee and spring from the top half. (Figure 5, ②).

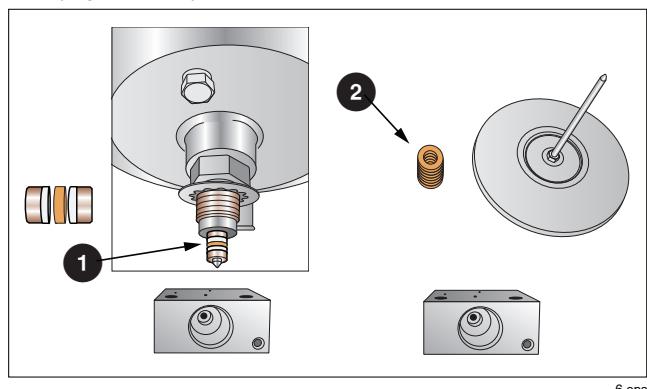


Figure 5. Stem Vee and Spring Placement

7. Loosen the stem vee-retaining nut and remove the stem vee. (Figure 6, ①).
8. Clean the valve body surface with Isopropyl Alcohol.

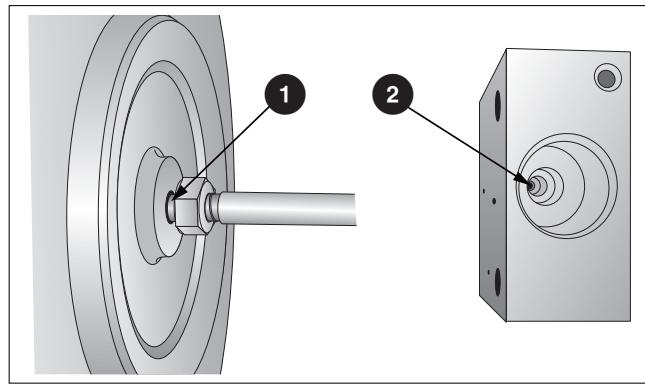


Figure 6. Stem Vee Placement

Reassembly

To reassemble Isolation Valve:

1. Install the retaining nut onto the new stem vee and install the new stem vee. Make sure that the stem vee is flush to the top (Figure 7, ①). Note the order of the packing material and take note of the chamfer orientation. These items will be reassembled in the same order. See Figure 7.

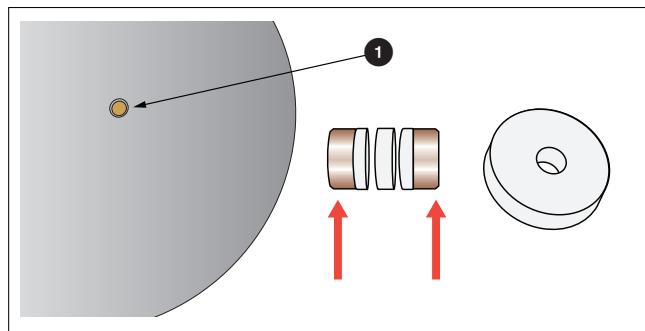


Figure 7. Stem Vee Placement and Packing Material

2. Install the Packing Washer (Figure 9, ①) and Packing Set (Figure 9, ②) into the valve body. Make sure that Packing Set is installed as in Figure 8.

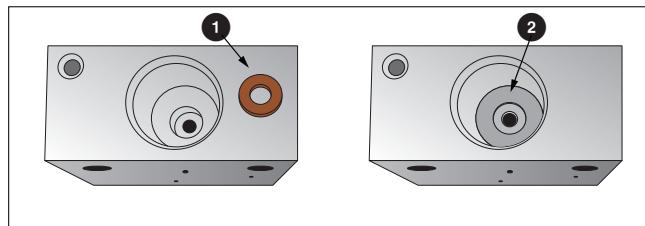


Figure 8. Packing Washer and Packing Set Installation

3. Install the stem vee assembly into the top half. (Figure 9, ①).
4. Install the top half onto the valve body. Do not over tighten. If the valve is over tightened, the valve can malfunction.
5. Center the new Diaphragm on top. (Figure 9, ②).

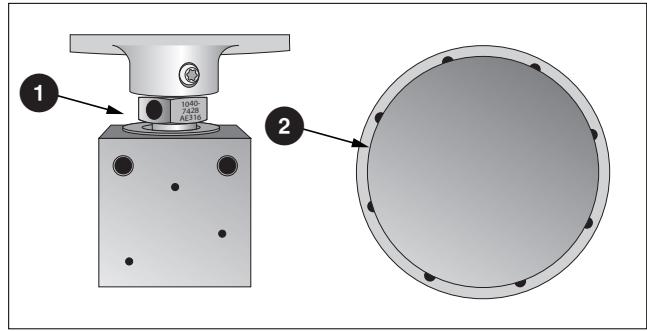


Figure 9. Stem Vee and Diaphragm Placement

6. Install all nuts and bolts on the valve. Do not tighten the set screw (Figure 10, ①).
7. Place the valve back into the RUSKA 7615. Rotate the valve for the correct fit and tighten the set screw and install the retaining nut (Figure 10, ②).

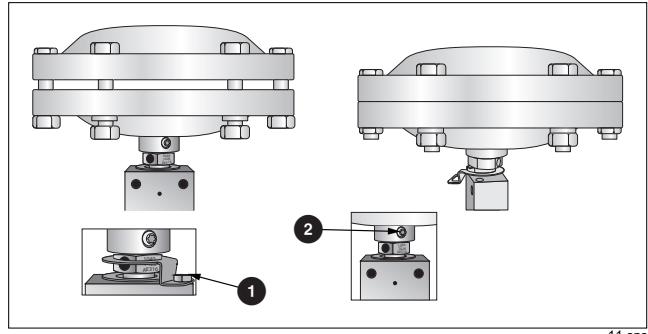


Figure 10. Tightening Nuts, Bolts, Set Screw and Retaining Nut

8. Install the Isolation Valve back into the Ruska 7615. (See Figure 1).

