

MAINTENANCE SPECIFICATION NYR-270  
INSTRUCTIONS FOR MAINTENANCE OF NY-3 THREE POSITION  
RETAINING VALVE  
P/N 757629 DWG. NO. PR-293

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ISSUE NO. 1  
DATE: December 20, 1985

MAINT. SPEC. NYR-270  
3 PAGES

Reference may be made to figure 1 of the attached sketch for identification and location of parts.

I. REPAIR KIT REQUIRED

Repair Kit PR-293 (757629) contains all of the typically replaceable parts for this valve. Should other parts be required because of wear or external causes, refer to New York Air Brake Catalog leaflet of this valve.

II. DISASSEMBLY

Referring to figure 1, the valve is disassembled by removing cap nut #1, Cap #22 and strainer retaining rings #15 and #17. The remaining parts can be removed from the body portion.

III. CLEANING, INSPECTION, AND REPAIR

Should any of the parts be extremely worn or broken, they are to be discarded and replaced. All metal parts should be cleaned in a suitable solvent and dried before assembly.

IV. LUBRICATION AND ASSEMBLY

All rubber parts contained in Repair Kit 757629 are to be replaced. Lubricate the stem of ball key item #9 with "Never Seez" lubricating compound brush on type. Apply a thin coating of #2 silicone grease, cosmolube #615, temp lube #124, Royco #43, or Dow #55M on conical (outside) surface of seats #10 and 12 and pressure release valve #20. Lubricate all O rings and their grooves with silicone grease. Apply a light coating of graphite grease to inner sealing surface of seats (item

#10 and #12) and to threads of Cap #22. Handle #3 and ball and stem #9 are designed so they can be assembled in only the correct relationship.

The valve should be reassembled. Jam nut #1 and Cap #22 should be tightened snug. Excessive torque can cause damage and caution should be exercised.

V. TEST

At the completion of assembly, the portion must be tested per Test Code NYT-772-C.

After test, it is recommended the valves be stored with their handles in the direct exhaust position (handle parallel with the barrel) and with tape over the face that attaches to the pipe bracket. This will prevent damage and contamination entering the valves.

REVISION PAGE

NYR-270

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ORIGINAL ISSUE

# NY-3 THREE POSITION RETAINING VALVE (BALL TYPE)

