

### ME990-PRK, ME990-3F-PRK PACKING REPAIR KIT FOR: ME990 2" & 3" INTERNAL VALVES

**!!!WARNING!!!**

READ AND UNDERSTAND ALL INSTRUCTIONS INCLUDED WITH THIS REPAIR KIT  
RELIEVE ALL PRESSURE FROM SYSTEM BEFORE REMOVING VALVE FOR SERVICE

#### **!WARNING!**

Failure to follow these instructions or to properly install and maintain this equipment could result in an explosion and/or fire causing property damage and personal injury or death.

Install, operate and maintain Marshall Excelsior Co. equipment in accordance with federal, state, and local codes and these instructions. The installation in most states must also comply with NFPA No. 58, and ANSI Standard K61.1.

Only personnel trained in the proper procedures, codes, standards and regulations of the LP-Gas should install, maintain and service this equipment. Be sure all instructions are read and understood before installation, operation and maintenance. These instructions must be passed along to the end user of the product.



**WARNING:** These products contain a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

#### A. Disassembly

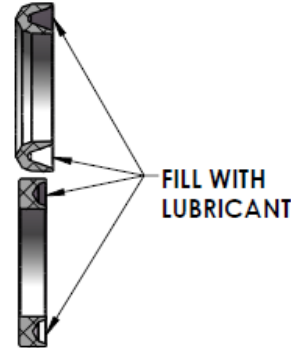
**NOTE:** Numbers in brackets [ ] refer to the number in the valve component list.

- EVACUATE ALL PRESSURE FROM SYSTEM BEFORE ANY DISASSEMBLY OR REPAIR.**
- Remove Valve Link Cotter Pin [4] and Lever [3] from Body [1]
- Remove Gland Assembly [2] from Body [1]
- FOR ME990-PRK:** Remove Gland O-Ring [2N] from Body [1] and discard.
- Remove Spring Pin [2Q] from Cam Assembly [2R] and remove both components from Stub [2A]; discard Pin
- Remove Bonnet [2C] from Stub [2A] and Retain.
- Remove Wiper [2B], Nylon Washer [2E] and (1) Gland Bushing [2D] from Bonnet [2C] and discard.
- Remove Female Adapter [2F], (3) V-Pack [2G], and Male Adapter [2H] from Stub [2A] and discard.
- Remove Thick Washer [2J], Gland Spring [2K], and Thin Washer [2L] from Stub [2A] and retain.
- FOR ME990-PRK:** Remove Gland [2M] and Stub O-ring [2P] from Stub [2A]; retain Gland, discard O-ring.
- Remove (1) Gland Bushing [2D] from Gland [2M] and discard.
- Inspect Valve Body [1] and clean if necessary, be sure interior is free of dirt, residue and foreign particles.

#### B. Reassembly

- Apply Lubriplate to large diameter section on Stub [2A]
- Install (1) new Gland Bushing [2D] and Nylon Washer [2E] into Bonnet [2C]; install Bonnet onto Stub [2A]

- Install new Rod Wiper [2B] in Bonnet [2C].
- Fill new Female Adapter [2F] and (3) V-packs [2G] with Lubriplate or equivalent grease as shown.



- Install Female Adapter [2F], (3) V-Pack [2G], Male Adapter [2H], Thick Washer [2J], Gland Spring [2K], and Thin Washer [2L] onto Stub [2A]
- Install (1) new Gland Bushing [2D] onto Stub [2A]
- FOR ME990-PRK:** Apply Lubriplate to O-Ring [2P] and main bore of Gland [2M]; install O-Ring into Gland.
- FOR ME990-PRK:** Apply Loctite #242 or equivalent thread locker to Bonnet [2C]; install Gland [2M] onto Bonnet
- Install Cam Assembly [2R] on end of Stub [2A]; install Spring Pin [2Q] through Cam Assembly into Stub [2A].
- FOR ME990-PRK:** Apply Lubriplate to Gland O-Ring [2N] and install on Gland Assembly [2].
- Apply Loctite #242 or equivalent thread locker to threads of Gland Assembly [2] and install into Body [1].
- Connect the valve assembly outlet to a pressure source of at least 150 PSI. Check for leaks at all joints and stem seals using a suitable leak detector solution such as "Marshall Excelsior" leak detector.
- CAUTION: DO NOT USE THE VALVE IF ANY JOINT CONTINUES TO LEAK UNDER PRESSURE.**
- Install Lever [3] and Valve Link Cotter Pin [4] on Gland Assembly [2].

#### C. Component List

Item No.	Description	Qty	ME990-PRK	ME990-3F-PRK
1	Body	1		
2	Gland Assembly	1		
2A	Stub	1		
2B	Wiper	1	✓	✓
2C	Bonnet	1		
2D	Gland Bushing	2	✓	✓
2E	Nylon Washer	1	✓	✓
2F	Female Packing	1	✓	✓
2G	V-Pack	3	✓	✓

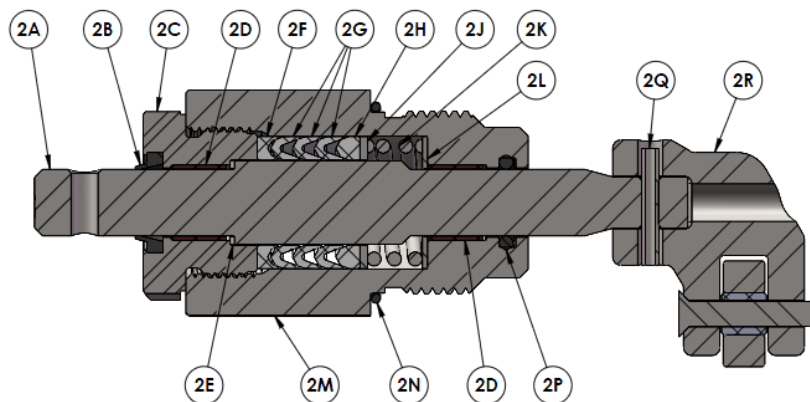
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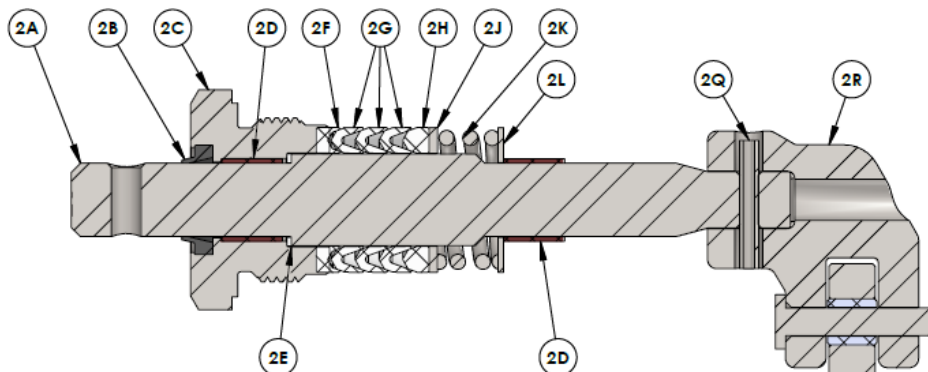
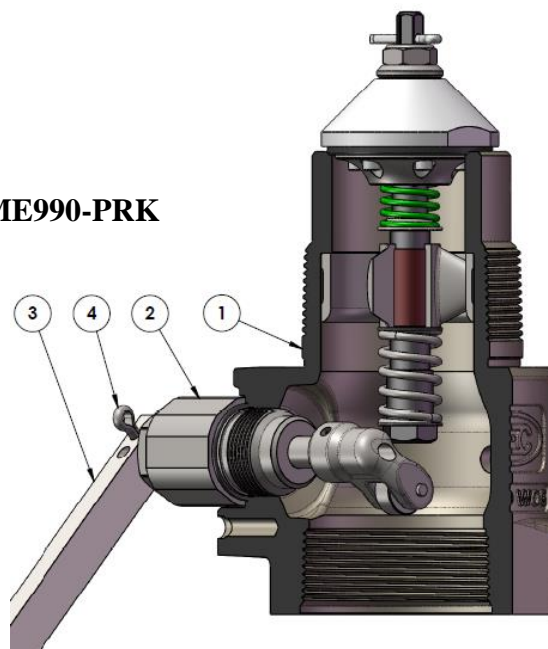
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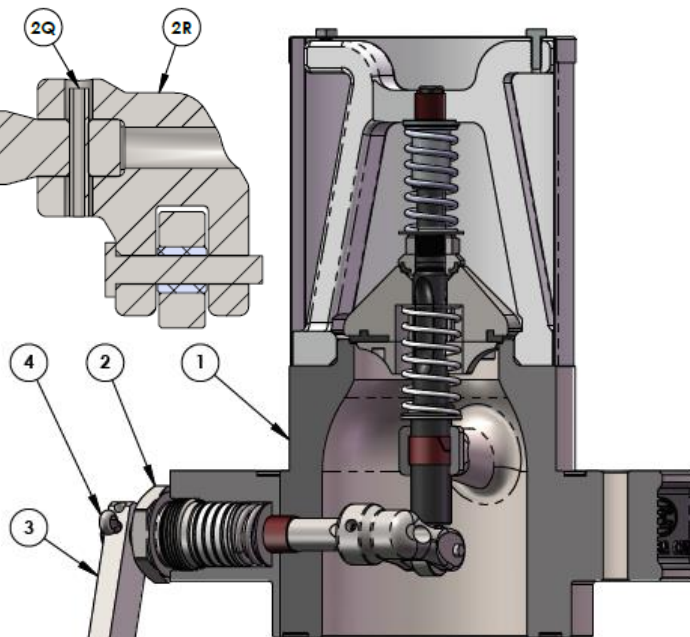
2H	Male Packing	1	✓	✓
2J	Thick Washer	1		
Item No.	Description	Qty	ME990-PRK	ME990-3F-PRK
2K	Gland Spring	1		
2L	Thin Washer	1		
2M	Gland	1		
2N	Gland O-ring	1	✓	
2P	Stub O-ring	1	✓	
2Q	Spring Pin	1	✓	✓
2R	Cam Assembly	1		
3	Lever	1		
4	Lever Cotter Pin	1		



**For ME990-PRK**



**For ME990-3F-PRK**



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