



TriPod Repair Kit Instructions for Models TP5, TP6 and TP7

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Form TP 0022 - Rev. 1

KEEP THIS DOCUMENT WITH THE PRODUCT UNTIL IT REACHES THE END USER.

The male and female ball sockets and all O-rings can be replaced in the field on these model TriPods.

Replacement of Upper Housing O-Rings

CAUTION: Before attempting to remove the Female or Male Ball Sockets of either Tripod half, remove the #8-32 socket set screws.

UPPER-HOUSING (REFER TO FIGURE 1 FOR THE FOLLOWING INSTRUCTIONS):

1. Remove the Upper Housing from the riser.
2. Flip the Upper Housing over and set it on its threaded end. This will prevent the Poppet assembly from falling out during disassembly
3. Using two pipe wrenches hold the Upper Housing with a pipe wrench. Place the second pipe wrench on the Female Ball Socket and turn counterclockwise to remove. Do not remove Poppet.
4. Remove Upper Housing O-ring.
5. Clean O-ring sealing surface on the Upper Housing and ball-socket. Lubricate O-ring with 112 Lube from the repair kit. Place O-ring in Ball Socket groove.
6. If the Poppets are removed during disassembly install Poppet Support in Housing, then install Spring on Poppet stem and insert stem end into Poppet Support.
7. Before replacing the female ball socket, clean the male threads with a wire brush or solvent and wipe or blow dry with air.
8. Put female ball-socket in Upper Housing and tighten firmly with a pipe wrench. Install the #8-32 socket set screw into upper housing and tighten against female ball socket.
9. Verify that the Poppet works by compressing it a $\frac{1}{4}$ inch. Then let it spring back and contact the back of the Ball Socket. If the Poppet does not contact the Ball socket verify that the Ball Socket is tight and the Poppet is correctly assembled.
10. Reconnect the Upper Housing to the riser.

Replacement of Lower Housing O-Rings

LOWER-HOUSING (REFER TO FIGURE 2 FOR THE FOLLOWING INSTRUCTIONS):

CAUTION: Contact with or inhalation of Liquid Anhydrous Ammonia or LP-Gas or their vapors can cause serious injury or death. Dispersment must be in accordance with local regulations.
For the proper handling and storage of Anhydrous Ammonia refer to ANSI Standard K61.1
For the proper handling and storage of Liquefied Petroleum Gas refer to NFPA Pamphlet 58.

1. Remove the hose from the Lower Housing.
2. Set the Lower Housing on the threaded end. Using two pipe wrenches hold the Lower Housing with a pipe wrench. Place the second pipe wrench on the Male Ball Socket and turn counterclockwise to remove. Do not scratch Ball Socket. Also do not remove Poppet.
3. Remove Lower Housing O-ring.

(OVER)

Replacement of Lower Housing O-Rings (cont'd)

LOWER-HOUSING CONT'D (REFER TO FIGURE 2 FOR THE FOLLOWING INSTRUCTIONS):

4. Clean O-ring sealing surface on the Lower Housing and Ball Socket. Lubricate O-ring with 112 Lube from the repair kit. Place O-ring in Lower Housing.
5. If the Poppets are removed during disassembly install Poppet Support in Housing, then install Spring on Poppet and insert stem end into Poppet Support.
6. Put Male Ball Socket in Lower Housing and tighten by hand making sure that O-ring is not pinched.
7. Tighten Ball Socket into the Lower Housing firmly with a pipe wrench. Install the #8-32 socket set screw into the lower housing and tighten against male ball socket.
8. Verify that the Poppet works by compressing it $\frac{1}{4}$ inch. Then let it spring back and contact the back of the Ball Socket. If the Poppet does not contact the Ball socket verify that the Ball Socket is tight and the Poppet is correctly assembled.
9. Reconnect the Lower Housing to the hose.

TRIPOD MODEL	*SEAL KIT NO.	DESCRIPTION
TP5	TP5-0022	Two (2) P5-086-R1 O-Rings and Two (2) P5-086-R0 Ball Socket O-Rings (One for Spare)
TP6	TP6-0022	One (1) P5-152-R0 Lower Housing O-Ring, One (1) P5-153-R0 Upper Housing O-Ring and Two (2) P5-091-R0 Ball Socket O-Rings (One for Spare)
TP7	TP7-0022	One (1) P5-095-R0 Lower Housing O-Ring, One (1) P5-094-R0 Upper Housing O-Ring, Two (2) P5-095-R1 and Two (2) P5-096-R1 Ball Socket O-Rings (One Each for Spare)

* All Kits Include One (1) Each of the Following: #112 Lube Kit and Two (2) P6-258-A0 Socket Set Screws.

