

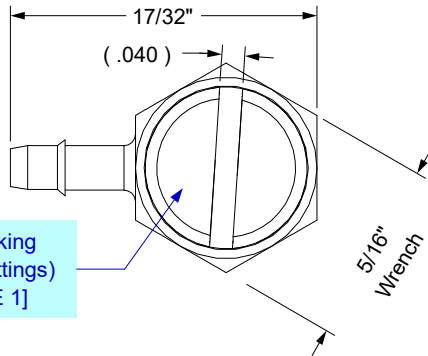
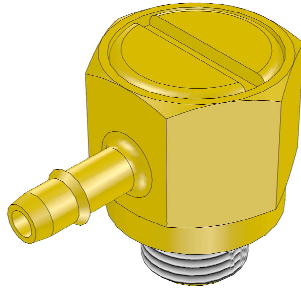
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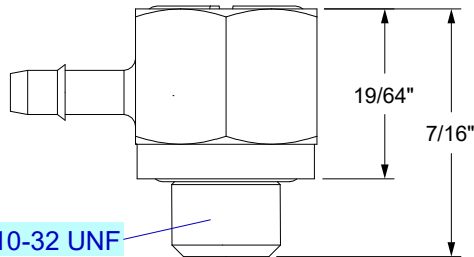
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REV	ECO	Release	Drawn	REVISION HISTORY
-0	2017-003	2/8/2017	SGO	Customer Drawing
-1	2025-058	12/2/2025	KQM	Removed EPDM O-Rings, will use Silicone only



"A" Marking
(orificed fittings)
[NOTE 1]



#10-32 UNF

GENERAL SPECIFICATIONS

Material: Body/Stud: Brass
O-rings: (see table)

Weight: .15 oz [4 g]

Thread: #10-32 UNF
Hose-barb: 1/16 ID [1/8 OD] tubing
Orifice: [NOTE 1]

Pressure Rating: 100 psi MAX [NOTE 2]
Temp Range: -50°F to +130°F [-45°C to +55°C]
Clean: For Oxygen Service

NOTES:

[1] "-01" Fittings include an orifice. Relevant applications would typically include one orificed Fitting. Orificed Fittings should have a letter "A" stamped on the face of the Stud, and the associated port should also be stamped "A".

[2] Max Pressure rating is for Brass Fitting only. Effective system pressure capability would generally be limited by the type of tubing used, and whether the tubing is additionally secured by some form of tubing clamp.

MH Part Numbers

O-Ring Material	Banjo Fitting Assembly	Replacement Top O-ring	Replacement Bottom O-ring
Silicone	19055-1002-0x	09001-1014-70	09001-1516-70

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS
ARE IN INCHES. TOLERANCES ARE:
0.X ±0.015 ANGLES ±3°
0.XX ±0.010 FRACTIONS ±1/64
0.XXX ±0.005

INTERPRET GD&T PER ASME 14.5 63

MH MOUNTAIN HIGH E&S CO.
REDMOND, OR. USA

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THIRD ANGLE PROJECTION	DRAWN SGO 2017-02-07	DWG TITLE Banjo Fittings, #10-32 x 1/16 ID Tube Barb [SCD]		DWG REV. -1
	CHECKED EAM 2017-02-08	DWG NUMBER 5SBNJ-002-100		
	ENGINEER PLM 2017-02-08	CAD FILE 5SBNJ-002-100\$-1	INV. PART NUMBER 19055-x002-0x	PROD. NAME
DO NOT SCALE DRAWING	APPROVED HBS 2017-02-08	DWG FORMAT: ESR-002 Rev H [20]	DWG SCALE	DWG SHEET 1 OF 2 DWG SIZE A 11x8 1/2

1

2

3

Insert #: 5IBNJ-1002-00

O-Ring Replacement

O-rings may be replaced in the event of damage, or to upgrade existing fittings. See Parts Table on Sheet 1 for replacement O-ring part numbers.

Banjo Fitting consists of 4 parts (as illustrated):

- (1) Bottom (large) O-ring (seals between Body and port mating-surface)
- (2) Banjo Body (with hose-barb)
- (3) Top (small) O-ring (seals between Stud and Body)
- (4) Threaded Stud (secures Body to threaded port)

Disassembly

It is important to maintain cleanliness and not contaminate the oxygen system. Keep oil, grease or other petroleum products away from oxygen equipment.

Tubing does not necessarily need to be removed from Fitting prior to disassembly in order to replace O-rings. If tubing must be removed, take care not to damage hose-barb rib, otherwise Fitting may leak. If replacing orificed and non-orificed Fittings at the same time, be certain that orificed Fitting is installed back into correct port.

Unscrew Stud until Fitting is disengaged from port. Withdraw Stud from Body and remove O-rings.

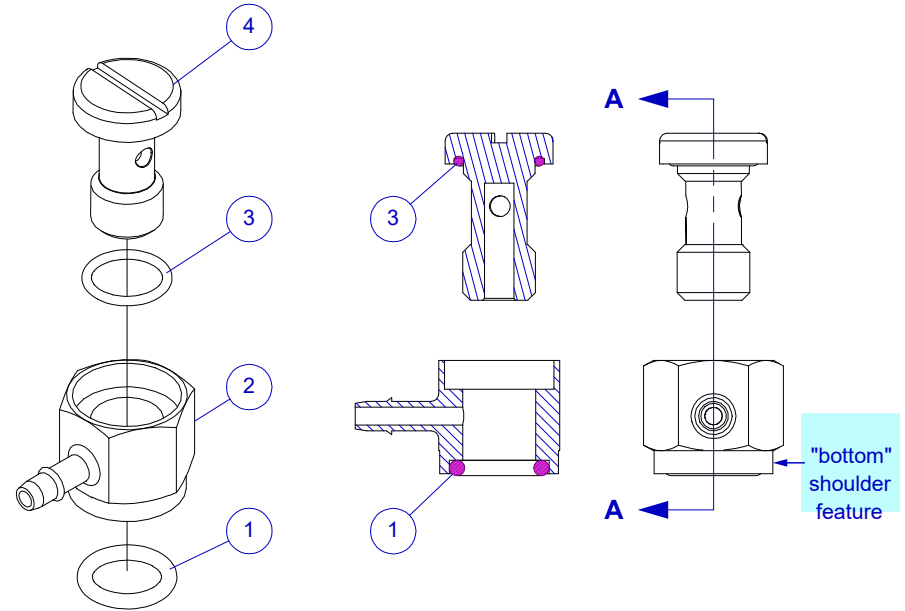
Reassembly

Care is required in re-assembly to avoid contaminating the system or damaging the O-rings, Stud, or hose-barb.

O-rings may be lightly lubed with Christo-Lube or other oxygen-compatible product if preferred.

If tubing has been removed or is being replaced, it may be attached to Banjo Body hose-barb either before or after assembling the Banjo Fitting, as convenient.

1. Carefully slip the Top O-ring over the threads of the Stud and seat the O-ring into the groove under the head of the Stud.
2. Insert the Stud through the "top" of the Body ("top" and "bottom" may be determined by locating the cylindrical shoulder feature which identifies "bottom")
3. Seat Bottom O-ring into "bottom" of Banjo Body.
4. Install the assembled fitting into the threaded port and turn the stud until the threads are fully engaged. Adjust the fitting to the desired orientation before tightening.
5. Torque Stud to 7 in-lbs. The Bottom O-ring will be compressed until the Body contacts the port mating-surface "metal-to-metal". At this point a firm stop should be felt if tightening by hand. Do not attempt to tighten any further beyond this point as the Stud could be stripped or broken off.



REF	Description
1	Bottom O-ring
2	Banjo Body
3	Top O-ring
4	Stud

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ARE IN INCHES. TOLERANCES ARE:
0.X ±0.015 ANGLES ±3°
0.XX ±0.010 FRACTIONS ±1/64
0.XXX ±0.005

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