

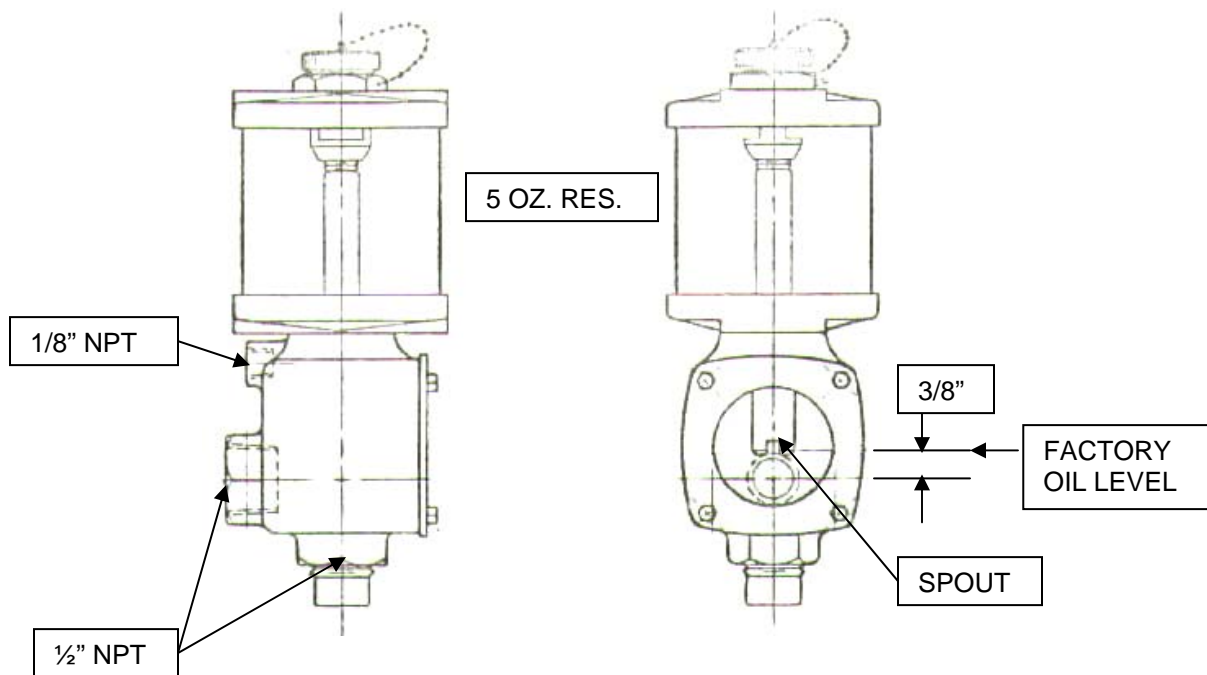
Installation Instructions

Part Number 77700202 Constant Level Oiler (5 Oz Reservoir)

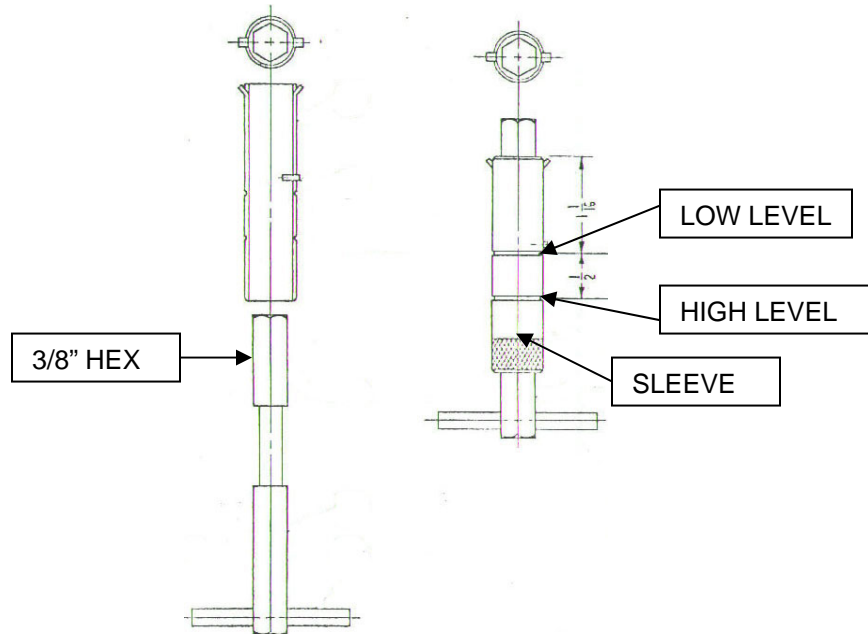
Part Number 77700329 Constant Level Oiler (9 Oz Reservoir)

The constant level oilers maintain a constant liquid level in the oiler base. This base has an air inlet and liquid outlets. The liquid supply is held in an airtight reservoir above the base. The spout of the reservoir determines the liquid level. As liquid is used and the level falls, the liquid seal on the spout is broken, allowing air to enter the reservoir thus releasing liquid until the seal on the spout is again established. This design permits the maintaining of a level within close tolerances. The air intake has a 1/8" pipe thread and the reservoir is always mounted air-tight on the base, allowing a ready conversion to a closed system for equalization of pressures.

The constant level oilers are preset at the factory to a liquid level, which is mid-level of the bulls eye window. This level can be raised or lowered by 1/4", thus having a total range adjustment which is 1/2". The level change is accomplished by either raising or lowering the spout, which is threaded. The desired setting can be locked with a lock nut. A special tool is provided for easily changing the level.



77-600-829 CONSTANT LEVEL OILER

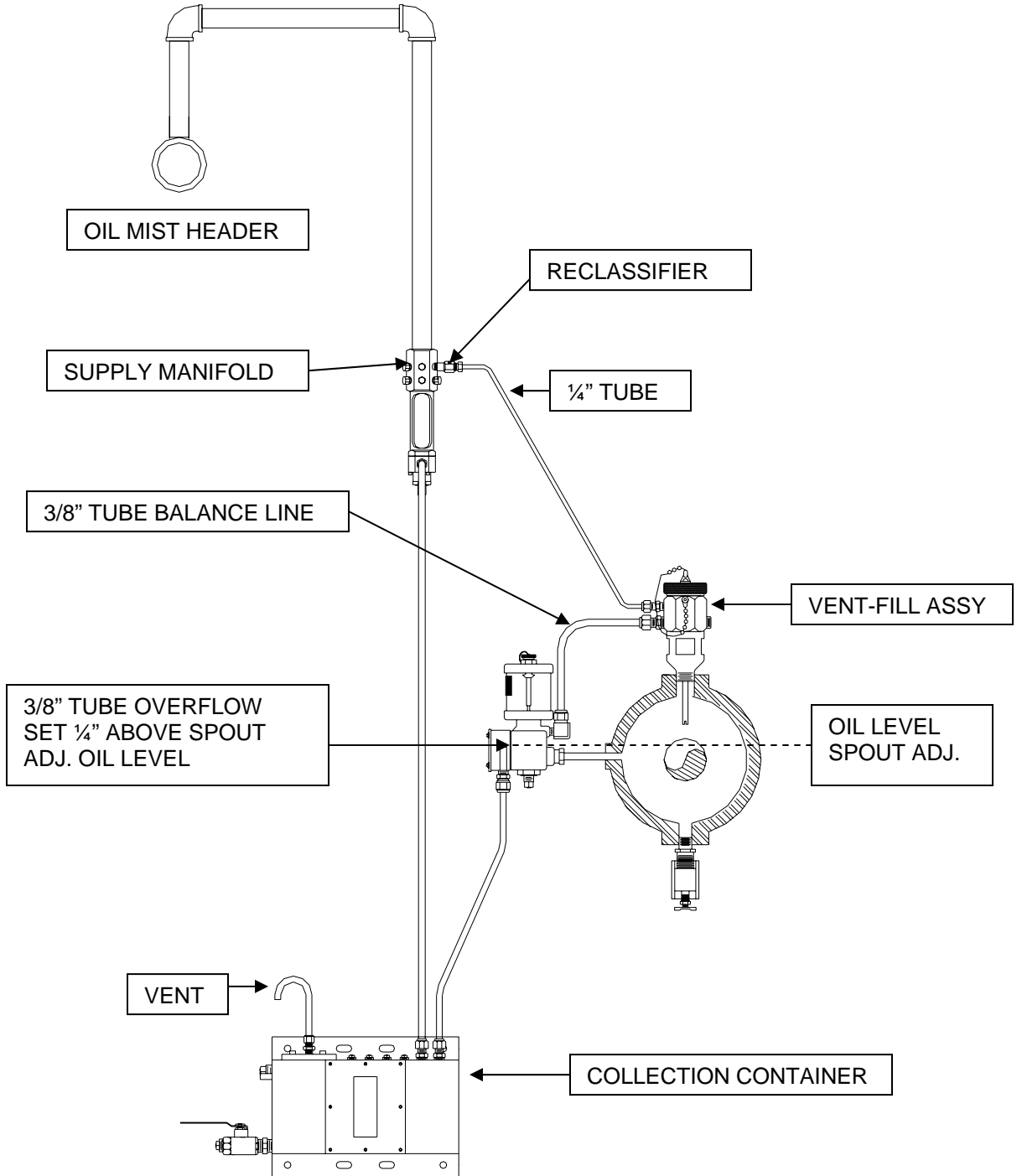


77-700-207 TOOL OIL LEVEL ADJUSTING

The tool consists of two principal elements, namely a hex wrench with Tee handle and a knurled sleeve with two prongs 180° apart. Both elements can be freely rotated independently from each other.

To change the liquid level, remove the 1/2" pipe plug on the bottom outlet. Insert the tool and engage the hex wrench into the lock nut and the knurled sleeve with its prongs should engage the spout.

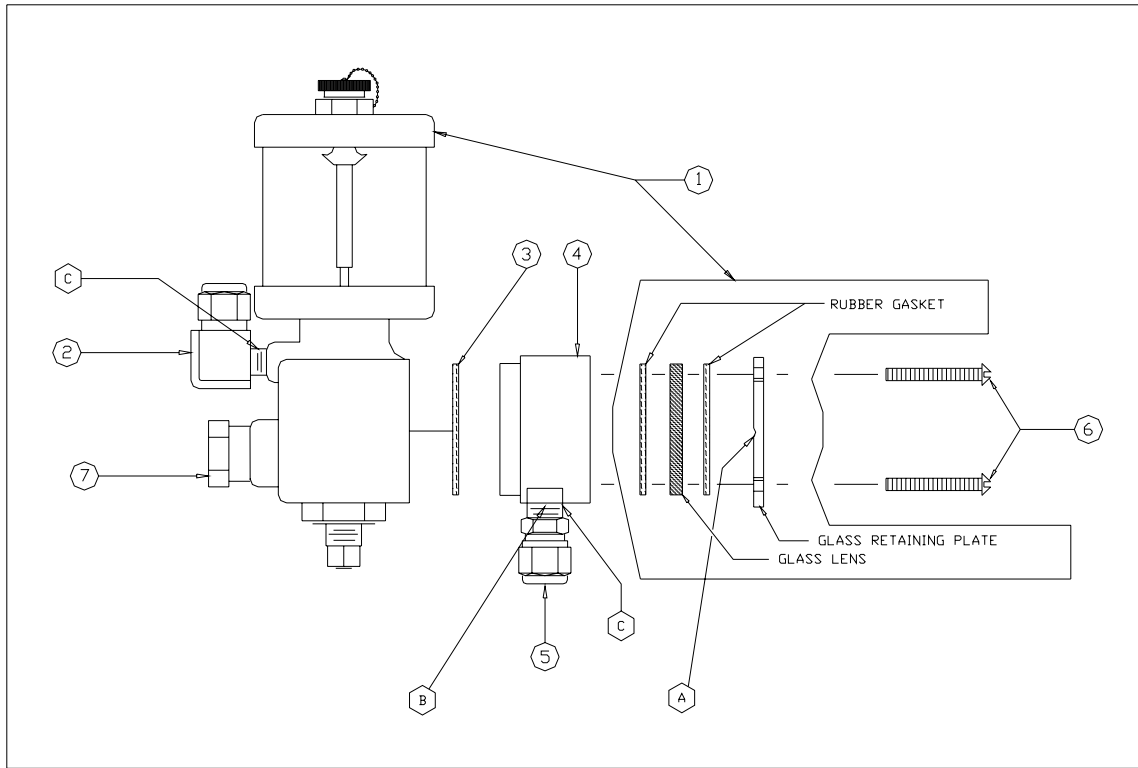
The two principle elements of the tool can be separately rotated either clockwise or counter clockwise. Rotating the hex wrench counterclockwise will loosen the lock nut and permit it to be moved down in order to allow the spout to be properly located. The final position should be locked.



PURGE MIST DROP

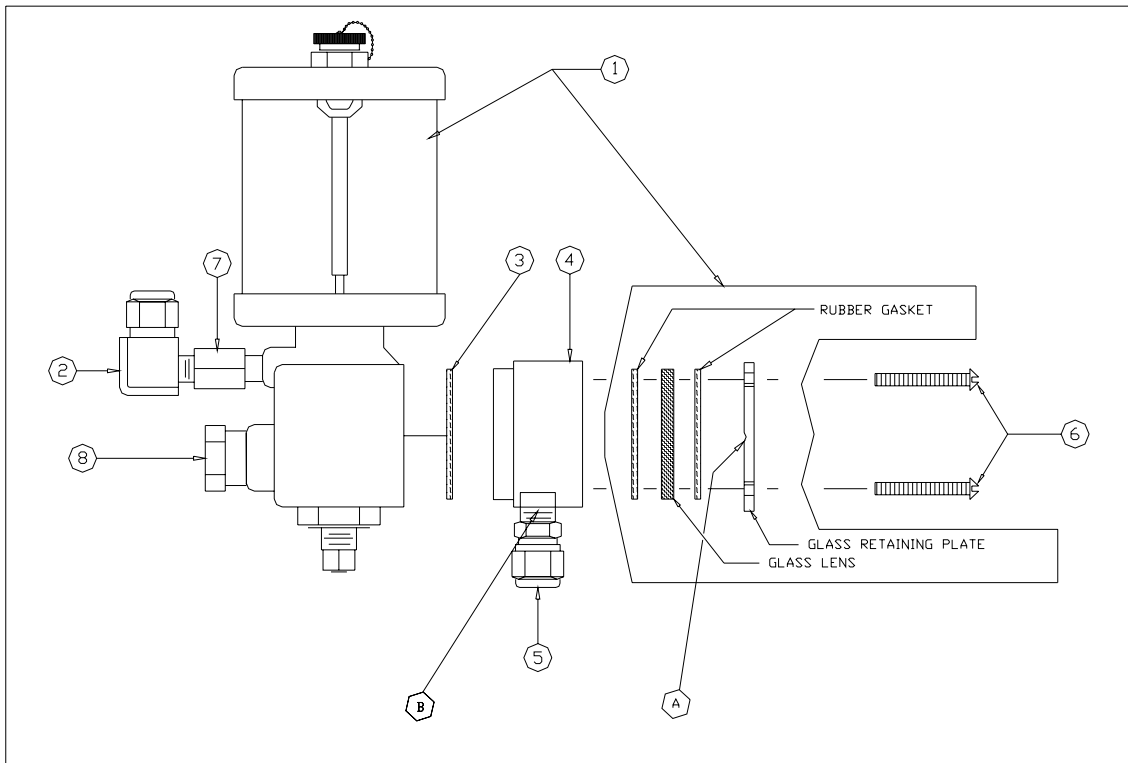
The 77-700-202 (5 Oz) and 77700329 (9 Oz) Constant Level Oiler Assemblies are modified to provide provisions for an overflow line when used on a PURGE MIST application. When PURGE MIST is applied to a bearing housing a small amount of oil coalesces and adds to the existing sump. The excess oil must be drained from the bearing housing to prevent over filling of the sump.

Constant Level Oiler Assemblies have a ¼" NPT provided for adaption to the bearing housings. Connection to the bearing housing is made using pipe nipples, size ¼ inch Schedule 80 minimum (pipe nipples by others). A 90° 3/8" tube connector is provided in the air intake to connect to the vent-fill assembly for equalizing the pressure. A body extension with a ¼" NPT opening at the 6 o'clock position is provided with a 3/8" tube BT connector that will allow a section of 3/8" stainless steel tubing to be used for the overflow line. Insert the 3/8" tube into the BT connector and adjust the top of the tube ¼" above the adjusted spout and lock in place. This will allow the excess oil to drain to the collection container.



Part Number 77700202 Constant Level Oiler (5 Oz Reservoir)

ITEM	PART NUMBER	DESCRIPTION
1	77600829	CONSTANT LEVEL OILER – 9 OZ RESERVOIR
2	77500770	CONN, ELBOW 3/8" T X 1/8" MP SS
3	77600083	GASKET, CONSTANT LEVEL OILER EXTENS
4	77600082	EXTENSION, CONSTANT LEVEL OILER
5	77600084	CONN, 3/8" T X 1/4" P SS BT MALE
6		S.S. SCREW, 10-32 x 1-1/2" LONG
7	76000085	BUSHING, 1/2" X 1/4" SS 304



Part Number 77700329 Constant Level Oiler (9 Oz Reservoir)

ITEM	PART NUMBER	DESCRIPTION
1	77700327	CONSTANT LEVEL OILER – 9 OZ RESERVOIR
2	77500770	CONN, ELBOW 3/8" T X 1/8" MP SS
3	77600083	GASKET, CONSTANT LEVEL OILER EXTENS
4	77600082	EXTENSION, CONSTANT LEVEL OILER
5	77600084	CONN, 3/8" T X 1/4" P SS BT MALE
6		S.S. SCREW, 10-32 x 1-1/2" LONG
7	U1106A	BUSHING, INVERTD 1/4" F X 1/8" M
8	76000085	BUSHING, 1/2" X 1/4" SS 304

Rev 1
Change Rev. level and date in header
Revised title (pg 1) to cover P/Ns 77700202 and 77700327
Edit figure on page 3 – Reference ECO 157
Reformat parts drawing for 77700202
Add parts drawing for 77700329