

TL-ULTRALIGHT STINGSPORT

How To Create A Relief Bypass For The Oil Breather Tube

The oil breather tube provides a path for blow-by gases, including water and oil vapors, to exit the oil reservoir. Under certain atmospheric conditions it is possible for moisture to condense and freeze inside the breather tube, blocking the exit path. A simple procedure to provide a relief bypass is illustrated below.



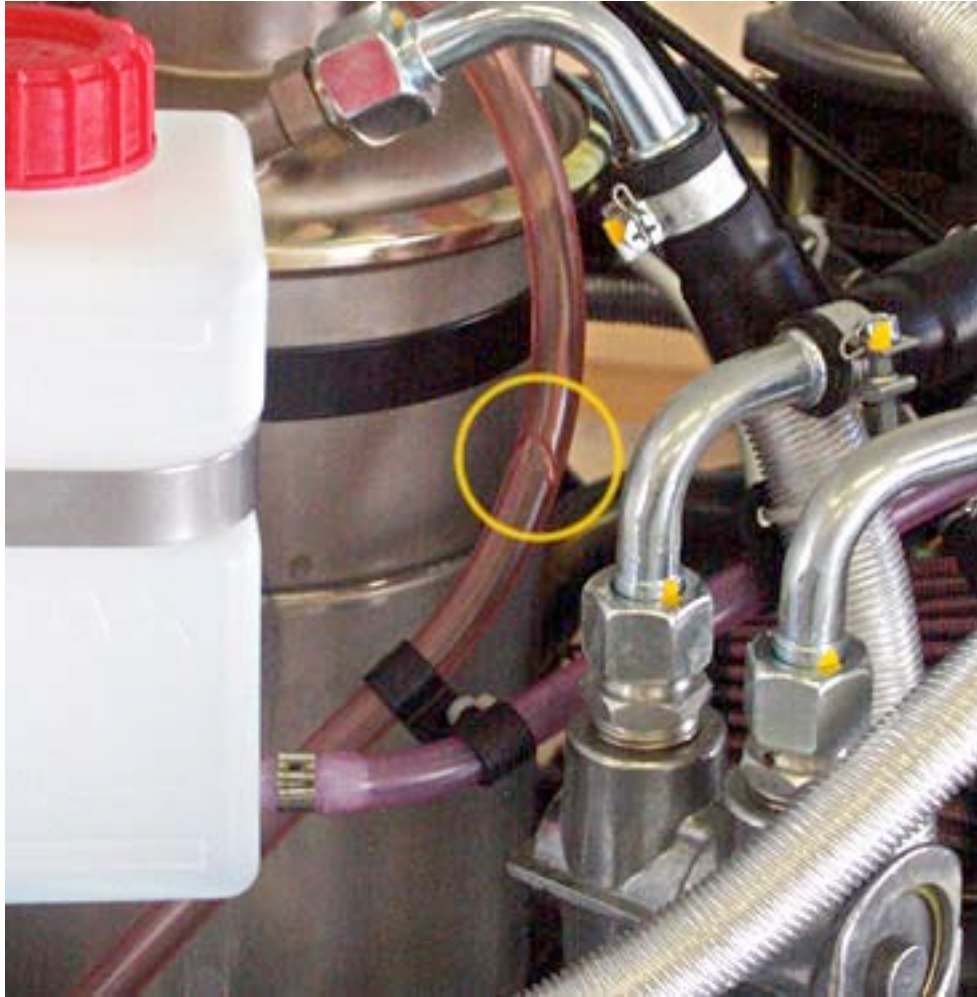
The oil breather tube exits the oil reservoir just below the oil fill cap and runs down the firewall and out the bottom of the cowling on the right side of the airplane. Installation and routing of the tubing may vary from that shown here.



A relief bypass “valve” in the oil breather tube is easily created by using a wire cutter, as shown above. Position the cutter so that it will cut at an angle, about half-way through the oil breather tube. The cutter should be angled down so the flap points up.

Once the relief bypass is created, if the oil breather tube is blocked for any reason the blow-by gases and any accompanying liquids will exit at the relief bypass.

The flap cut in the oil breather tube is shown in the next photograph.



FLAP CUT IN OIL BREATHER TUBE CREATES RELIEF BYPASS

The flap cut in the oil breather tube can be seen inside the yellow circle in the above photograph.