

FOR 912 ENGINES: RUN 5/16 I.D. FUEL LINE FROM FILTER TO FUEL PUMP.  
FOR 2 STROKES: RUN 1/4 I.D. FUEL LINE FROM FILTER TO FUEL PUMP.

INLINE FUEL FILTER. SUSPEND HERE FROM CROSS TUBE

1/4 I.D. FUEL LINE

POSITION SENDER SO THAT IT WILL NOT INTERFERE WITH FUEL TANK RESTRAINT BAR

TC97-138 FUEL VENT AND FEED PLATE. DRILL CENTER HOLE LARGE ENOUGH FOR FUEL FITTINGS TO SIT IN. ASSEMBLE A 1/4 NPT W/ 1/4 BARB MALE FITTING TO 1/4 NPT W/ 1/4 BARB FEMALE FITTING THROUGH PLATE AND TWO NYLON WASHERS(ONE PER SIDE). DRILL EIGHT 5/64(.0781 DIA.) HOLES USING THE VENT PLATE AS A GUIDE. SECURE WITH A 6-32 X 3/8 SELF TAPPING SCREW AND SEAL WITH GASKET PROVIDED (FOAM DOUBLE SIDED TAPE).

FUEL SENDER SENDER IS POSITIONED JUST BEHIND RESTRAINT TUBE

FUEL VENT

FUEL DRAW

TO FUEL PUMP

ⓓ FILLER HOLE

FUEL PUMP PRIMER BULB(OPTIONAL). BULB SHOULD BE MOUNTED VERTICALLY SO THAT THE FUEL FLOWS UPWARDS TO REDUCE POSSIBILITY OF A BULB FAILURE WHICH COULD BLOCK FUEL FLOW.

FUEL DRAW LINE

1 1/2" I.D. PVC TUBING

FUEL SENDER TUBE. TRIM TO FIT.

SEE NOTE **A** 2 PLACES

FUEL TANK VENTILATION

SAF-AIR DRAIN VALVE AND MALE 1/4 N.P.T. W/ 1/4 BARB BRASS FITTING AND TWO TP97-139 NYLON PIPE FITTING WASHERS

FUEL DRAIN

**TITAN AIRCRAFT SUPPLY**  
1419 STATE ROUTE 45 SOUTH  
AUSTINBURG, OHIO 44010

DETAIL NAME FUEL SYSTEM FOR EXTENDED RANGE TANK

DRAWN K. BOHRER	DATE 2/26/97
CHECKED G. TRUJEX	DATE 10/4/05
APPROVED J. WILLIAMS	DATE 10/5/05

SCALE N/A	PART NO.
ASSEMBLY NAME TWO PLACE TORNADO	
PART NO.	DRAWING NO.
DRAWING NO. <b>B 97-INS-0842-D</b>	

**A** DRILL .4375 DIA. HOLE THRU. TAP 1/4 N.P.T. AND INSTALL 1/4 N.P.T. MALE 90° 1/4 BARB.

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