

S.I.L. NO. 03-560-05

SERVICE INFORMATION LETTER

FROM: JetProp LLC

10 July 2003

SUBJECT: Header Tank Fuel Quantity Sender Replacement

TO: JetProp Owners Replacing Header Tank Fuel Quantity Senders

If the header tank fuel quantity sender needs to be replaced, it can be replaced in accordance with the information contained in Chapter 28 of the JetProp Maintenance Manual 560.1001. Replacing the entire fuel quantity sender in the header tank lid normally requires a 24 hour cure time for the Mil 8802 B1/2 sealant. If time is critical, the following procedure can be used to replace electrical portion of the sender without having to reseal the sender to the header tank lid.

1. Remove the vapor shield covering the header tank.
2. Carefully remove the electrical leads to the header tank lid and then remove the header tank lid with the fuel quantity sender installed.
3. Unsolder the electrical lead on the fuel quantity sender as shown in Figure 1.

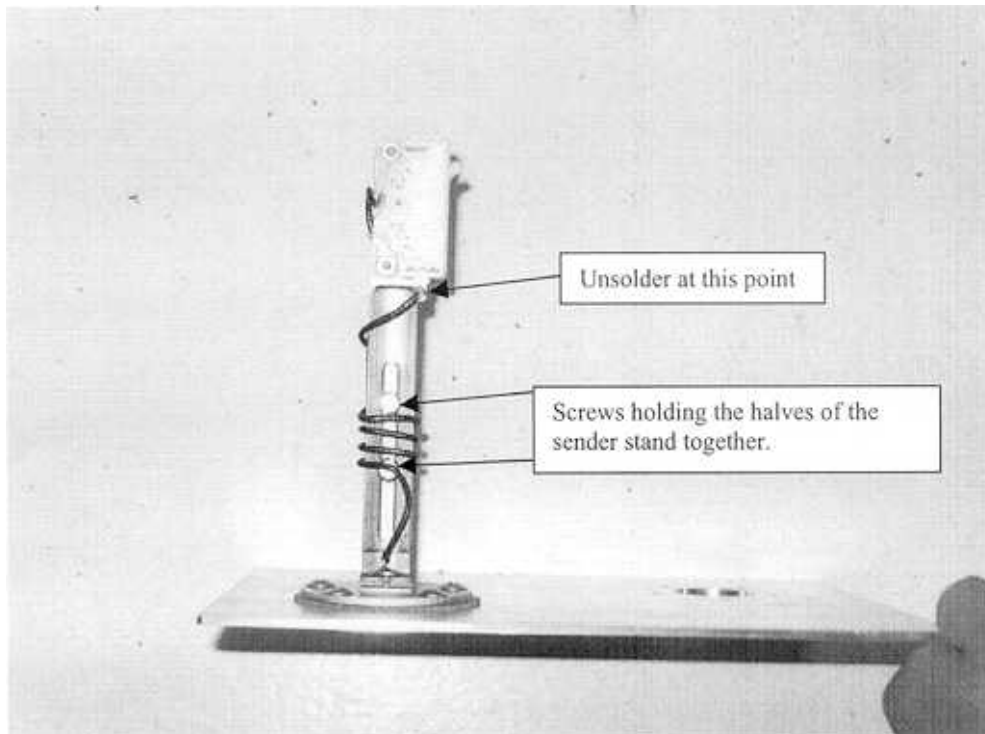


Figure 1

4. Remove the two screws holding the two halves of the fuel quantity sender stand together and remove the half of the stand that is not mounted to the header tank lid.
5. Replace the portion of the sender removed with the same portion from the new sender unit after unsoldering it at the same location. Install the new part as shown in Figure 2. It is important to adjust the height of the sending unit as shown in Drawing 560.08.240. The old float assembly can be reused but be sure it does not hit the float switch also installed on the header tank lid.

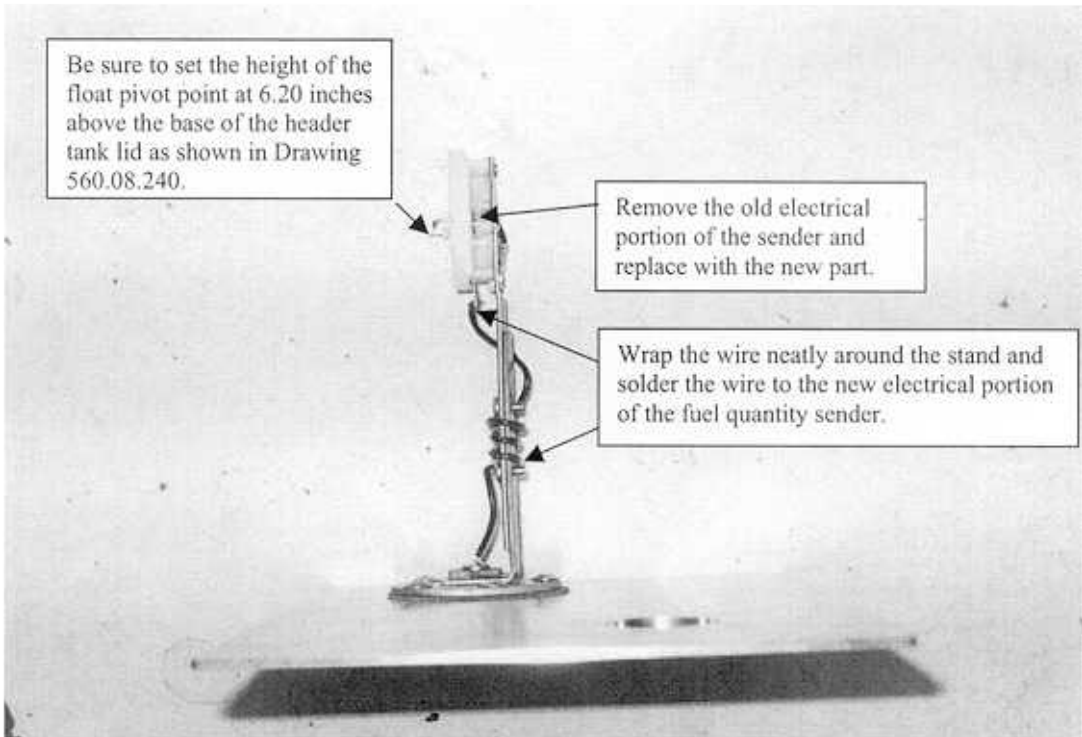
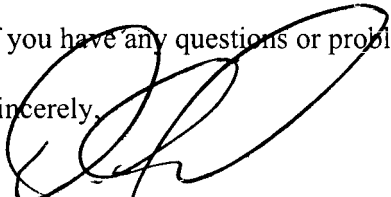


Figure 2

6. Carefully wrap the fuel quantity sender wire around the stand and solder it in place. Make sure the float works freely without interference.
7. Replace the header tank lid and reconnect the electrical leads.
8. Replace the vapor shield.
9. Perform an engine run to verify the proper operation of the fuel quantity gauge.

If you have any questions or problems, contact Rich Runyon at (509) 535-4401.

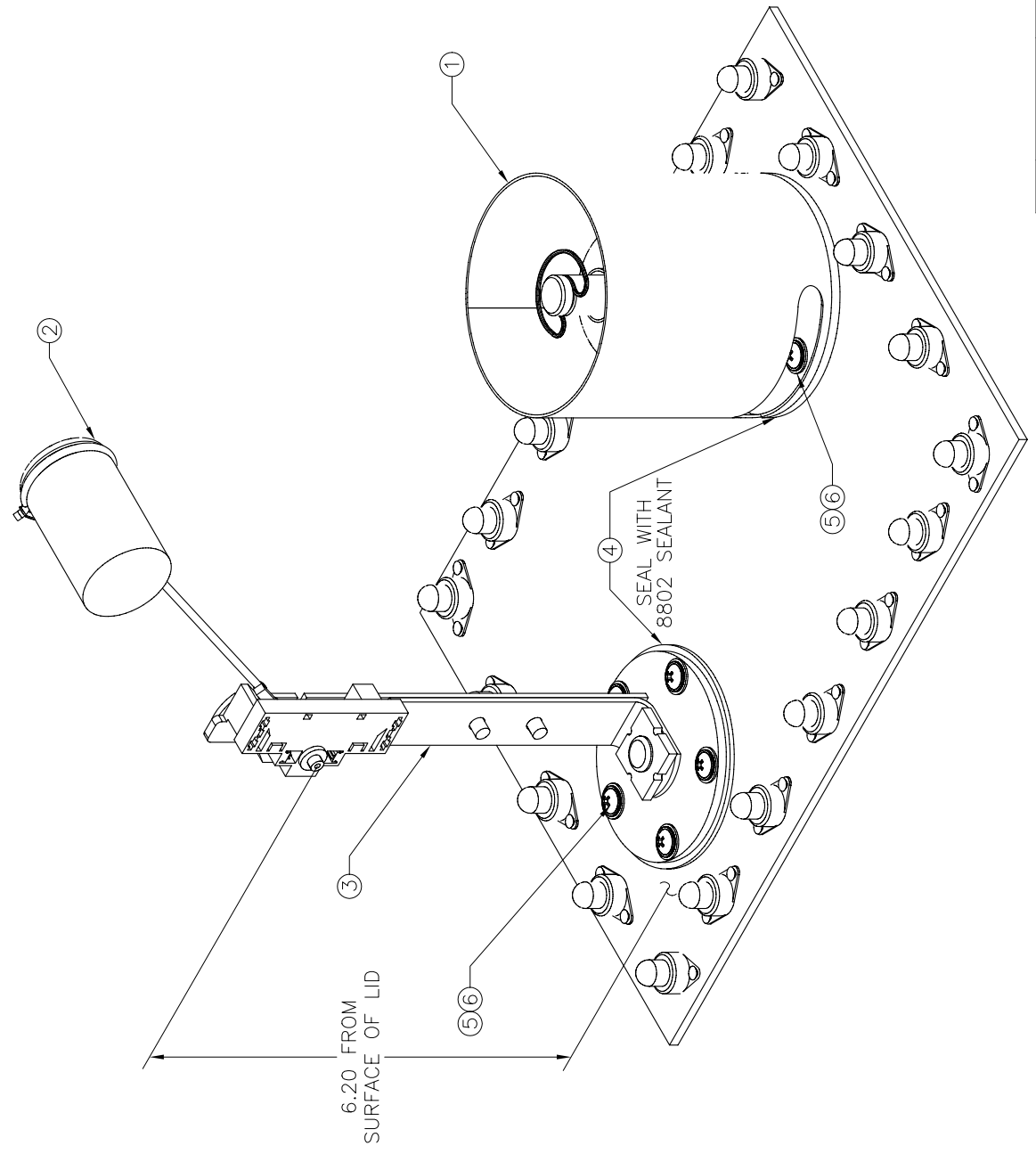
Sincerely,


Darwin C. Conrad
President

REVISION DESCRIPTION

A CORRECTED B.O.M.

B CHANGED TO SHOW FLOAT SWITCH.



ITEM	QTY	PART NO.	DESCRIPTION
6	10	AN860-10L	WASHER
5	10	AN525-1032R8	BOLT
4	2	560.08.228	HEADER TANK SENDING UNIT GASKET
3	1	391A-F	FLOAT TANK UNIT
2	1	560.08.242	LONG SENDING UNIT
1	1	560.08.260	SWITCH CAN WELDMENT

BILL OF MATERIALS		REVISION
SCALE:	NTS	SIZE: B
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES		
TOLERANCES:		
X	±.10	XX ±.030
XXX	±.003	Z ±.1
REMOVE BURRS AND SHARP EDGES		
DRAWN	J. WEEG	DATE 3/00
CHECKED		
APPR'D		
FAM	APPL	
FOR DESCRIPTION OF CHANGE - SEE ABOVE		
LTR	ECO#	BY DATE CHK
A	1172	RD 7/00
B	1300	RD 4/01

ROCKET ENGINEERING CORPORATION	
PROJECT:	JetPROP DLX
DRAWING TITLE:	FUEL LEVEL SENDER ASSY
SHEET 1 OF 1	DRAWING NUMBER: 560.08.240
REV. B	

240	560.08.220	1
P/N	NEXT ASSY.	QTY.
	HEADER TANK ASSY	
	USED ON	