

## SERVICE INFORMATION LETTER

FROM: JetProp LLC

30 January 2008

SUBJECT: Large Header Tank Retrofit

TO: JetProp Owners Converting to the Large Header Tank

**Introduction.** We recently certified a larger (19.7 gallon usable) header tank for aircraft with the MT Propeller only. It is approved only for aircraft with the MT Propeller installed because the MT Propeller is approximately 30 pounds lighter than the Hartzell. This service information letter is designed to provide the information necessary to convert an aircraft with the smaller (11.1 gallon usable) header tank to the larger (19.7 gallon usable) header tank.

**Documentation.** This is considered a major change requiring an FAA Form 337, an amended STC ST00541SE (amended 9/17/07 or later), JetProp Flight Manual Supplement Change 19 (or later), and the applicable log book entry for proper documentation.

**Instructions.** The following procedures outline the procedures to retrofit a JetProp with the large header tank. See Figures 1 and 2.

1. Disconnect the batteries.
2. Remove the forward baggage compartment interior.
3. Remove the vapor shield covering the top and inboard side of the header tank.
4. Turn the fuel selector to the off position.
5. Drain the header tank.
6. Disconnect the fuel lines (fuel in and fuel out) on the bottom side of the header tank. Disconnect and remove the vent line connecting the upper float switch and the check valves. Disconnect the over board vent line (black rubber hose). Disconnect and remove the inboard half of the header tank straps and any other attaching hardware.
7. Disconnect the electrical connections to the upper & lower float switches, the capacitance probe, and the pressure switch.
8. Remove the header tank from the forward baggage compartment. Several components/fittings from the small header tank will be reused with the large header tank.
9. Remove the forward and aft header tank vapor shields and the old outboard header tank straps.
10. Install the new Large Vapor Shield Forward Side (560.08.303-L) and Large Vapor Shield Aft Side (560.08.302-L) as shown in Drawing 560.08.300-L.
11. The existing Vapor Shield Upper Mount (560.08.304) will remain installed but will no longer be used to mount the new vapor shield. Install a new Large Vapor Shield Upper Mount (560.08.304-L) as shown in Drawing 560.08.300-L. The Large Vapor Shield Upper Mount will be used to attach the Large Header Tank Vapor Shield.

12. Now do an initial trial fit of the new large header tank. With the header tank in place, locate the proper location for the Large Header Tank Strap Support (560.08.286) as shown on sheet 4 of Drawing 560.08.200-L. Mark the location of the Large Header Tank Strap Support and identify the rivets that will be removed for the installation. Since there is little support in the floor where the Strap Support is installed, additional support plates are added under the floor. There is a Large Header Tank FWD Mount Plate (560.08.284) and a Large Header Tank Aft Mount Plate (560.08.285) that will be added below the floor at the forward and aft ends of the Large Header Tank Strap Support. Do an initial trial fit of the forward and aft mount plates. Once you are satisfied with the installation location and fit of the header tank strap support and the forward and aft mount plates, remove the header tank and install the Large header Tanks Strap Support (560.08.286), Large Header Tank FWD Mount Plate (560.08.284), and Large Header Tank Aft Mount Plate (560.08.285) as shown in Drawing 560.08.200-L. Prior to installing the forward and aft mount plates, install MS21059L3 nut plates on the bottom side for the header tank strap bolts.
13. The vent line from the check valves to the upper float switch needs to extend up through the original Vapor Shield Upper Mount. So drill a 0.75 inch diameter hole in the original Vapor Shield Upper Mount for the line to go through with a protective grommet.
14. Install the forward and aft outboard half of the header tank straps to the same locations as the original ones as shown in Drawing 560.08.200-L.
15. Large Header Tank Build Up.
  - a. Remove the lid from the old small header tank. Remove the float switch and install it in the same location on the new large header tank lid as shown in Drawing 560.08.240. Also, install the Sender Adaptor (560.08.244) on the new large header tank lid as shown in Drawing 560.08.240.
  - b. Now remove the fuel pumps and plumbing from the old small header tank and install them on the new large header tank as shown in Drawing 560.08.220-L. Build up the Large Header tank with the fuel pumps and fuel lines removed from the small header tank.
  - c. Remove the pressure switch and upper float switch assembly from the old small header tank. Leave the first fitting in the header tank and disconnect at the O ring fitting. Replace the O ring on the fittings with new O rings as necessary and install in the new large header tank.
  - d. Remove the old small header tank fuel drain but leave the first fitting in the header tank. Install a 5406-4-2 Reducer (1/4 X 1/8 PTR-S) in the new large header tank drain fitting. Then install the header tank fuel drain in the new large header tank.
  - e. Now make sure the header tank is clean inside. Then install the header tank lid. Now install the long capacitance sender with the O ring provided securely in the lid. The header tank is now ready for installation.
16. Do a trial installation of the header tank.
  - a. Locate and trial fit the Large Header Tank Filler Plate (560.08.307-L) as shown in Drawing 560.08.300-L. Normally pick up two generator access panel bolts to hold the filler plate securely in place.

- b. Form the vent line from the upper float switch to the check valves. This line should go through the hole and grommet in the old upper vapor shield mount drilled in step 13. Once the proper length and shape of the line has been determined, the header tank can be removed. Because the nut on the end of the line is too large to go through the grommet, the grommet needs to be on the line when the last end is flared. Once the line has been fabricated, install the end to the check valve fitting.
17. Final Header Tank Installation.
- a. Place the header tank in position.
  - b. Attach the fuel “out” line to the firewall shutoff valve.
  - c. Attach the fuel “in” line to the inlet fitting on the header tank.
  - d. Attach the vent line to the upper float switch.
  - e. Attach a new over board vent line.
  - f. Place the vapor shield support ring over the capacitance probe and connect the electrical leads to the pressure switch, the capacitance probe, and the upper and lower float switches.

**If the aircraft did not have a capacitance probe in the small header tank**, then some wiring changes are required. The original float type fuel quantity sender only had one wire running to it. The capacitance sender needs a power and ground wire along with the existing wire. Run wires JPQ20A22 and JPQ20B22 as shown in drawings 560.12.068 and 560.12.072A from the + terminal of the capacitance probe back through the pressure bulkhead to a power source at the header tank fuel conditioner box. The fuel conditioner box is located in the pilot’s floor just in front of the seat. Splice the power wire (JPQ20A22) into the existing header tank conditioner power wire (JPE79A22). Also, add a ground wire from the capacitance probe negative terminal to a suitable ground such as the ground block on the forward side of the pressure bulkhead.

- g. Secure the header tank in position with the header tank straps as shown in Drawing 560.08.200-L.
  - h. Insert a short piece of AE306-4 black hose on the header tank drain extending through the skin of the aircraft as shown in Drawing 560.08.200-L.
18. Replacement and Calibration of the header tank Fuel Quantity Indicator.
- a. Replace the lower Moritz instrument module with the new one with the proper fuel quantity for the large header tank.
  - b. After the wiring is complete reconnect the batteries and turn power on. We are going to check the header tank zero fuel reading first. The capacitance probe has been cut to a length so that it would be just touching the unusable fuel in the header tank (if the 1.1 gallons of unusable fuel was in the header tank). Therefore, with the header tank empty the fuel quantity indicator should read zero. To insure it is set properly, locate the header tank fuel conditioner box installed under the pilots floor panel just in front of the seat. Adjust the header tank “zero” adjustment until the header tank quantity indicates just above zero and then reduce it until it just reads zero. This gives us a good setting on the low side.

- c. Now turn the firewall shutoff to ON and the fuel selector to the left or right tank and fill the header tank. Ensure the header tank is full by leaving the wing transfer pump/emergency transfer pump on until the fuel pressure shows approximately 7 to 8 psi at which time the header tank high pressure light should illuminate. Turn off the wing transfer/emergency pump. Now adjust the “span” or high setting on the header tank fuel conditioner box until the header tank fuel quantity is slightly less than full and then increase it until it just reads full. This should complete the needed adjustments.
19. Check for any fuel leaks prior to installing the vapor shield.
  20. Final Vapor Shield Installation.
    - a. Trial fit the Large Header Tank Vapor Shield. Make sure the hole fits properly around the top of the capacitance probe. Trial fit the Vapor Shield Bubble and mark the proper position.
    - b. Remove the Vapor Shield from the aircraft and install the Vapor Shield Bubble as shown in Drawing 560.08.300-L.
    - c. Now place the Large Header Tank Vapor Shield back in place and install as shown in Drawing 560.08.300-L
  21. The forward and aft interior panels will have to be modified to fit with the larger header tank. The vinyl can be peeled back to trim the panels as shown in Drawings 560.14.502-L and 560.14.503-L. The final installation should be as shown in Drawing 560.14.500-L.
  22. Paperwork.
    - a. FAA Form 337. This modification is considered a major change and the installation of the large header tank can only be accomplished if the MT Propeller is installed on the aircraft. Therefore, recommend the following or similar information be included in block 8.

Registration #: \_\_\_\_\_ S/N: \_\_\_\_\_ Aircraft Total Time: \_\_\_\_\_ Hobbs: \_\_\_\_\_

The 12.2 gallon header tank has been removed and replaced with a 20.8gallon header tank (Serial # \_\_\_\_\_) in accordance with the procedures in JetProp Service Information Letter 08-560-01 which describes the FAA approved procedures to change the aircraft configuration under JetProp STC ST00541SE as amended 9/17/07. The header tank fuel quantity gauge was also replaced with the gauge reflecting the new header tank fuel quantity. The JetProp STC ST00541SE as amended 9/17/07 allows for the installation of the 20.8 gallon header tank only if the aircraft is equipped with the MTV-16-1-E-C-F-R(P)/CFR206-58a propeller. This aircraft is currently equipped with the MTV-16-1-E-C-F-R(P)/CFR206-58a propeller. The JetProp Flight Manual Supplement has been updated through change 19 to reflect the change in header tanks. The aircraft weight and balance has been updated to reflect the configuration change.

- b. Airframe Log Book entry. A similar write up to what was used on the FAA Form 337 should be included in the airframe log book.
- c. JetProp Flight Manual Supplement. Update the flight manual supplement through change 19. If the whole manual is replaced be sure to transcribe the information from the old manual into the new manual. Specifically transcribe the information from the approval page, the fatigue life limitation in paragraph 2.24, and the weight and balance information in section 6.

- d. Weight and balance update. The weight and balance can be updated by weighing the aircraft or by mathematically updating the weight and balance. The large header tank empty weight is 5 pounds more than the small header tank at FS 89.5. The MT propeller and spinner assembly is 30 pounds lighter than the Hartzell HC-E4N-3N/D8292 propeller at FS 13.4.



Figure 1. Large Header Tank Installation Without the Vapor Shield

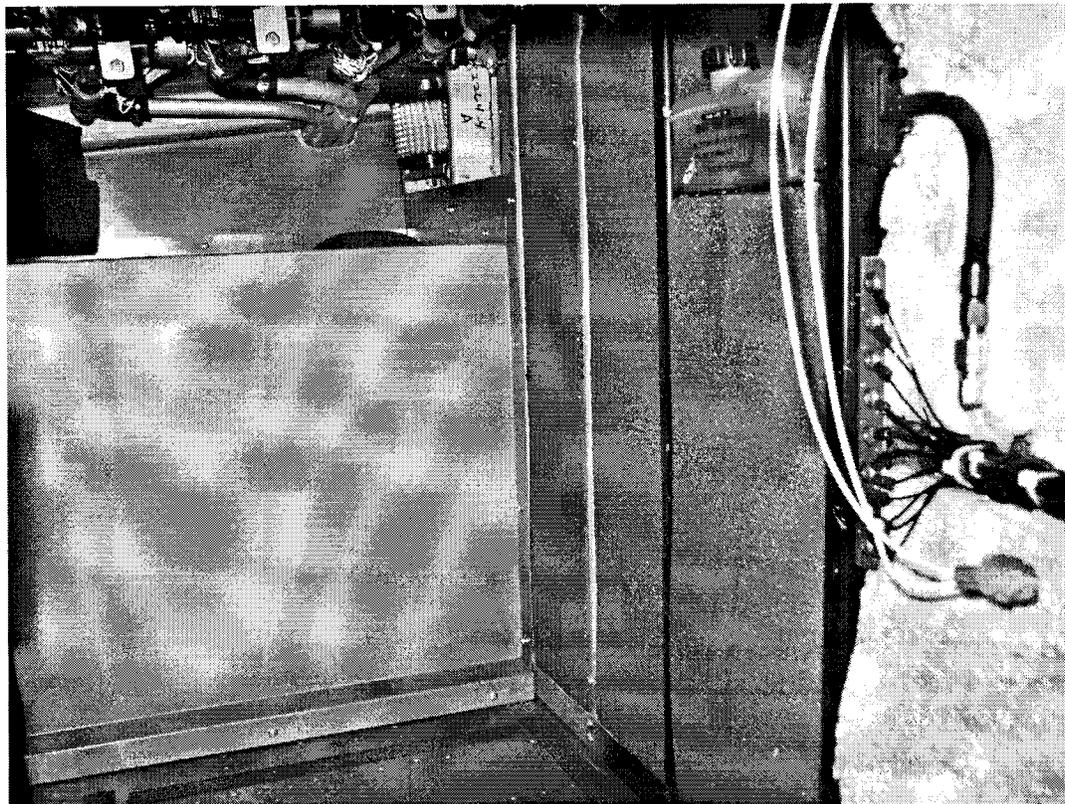
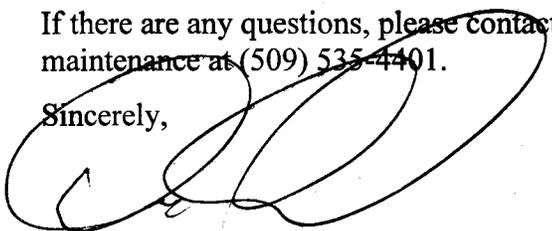


Figure 2. Vapor Shield Installed with the Large Header Tank

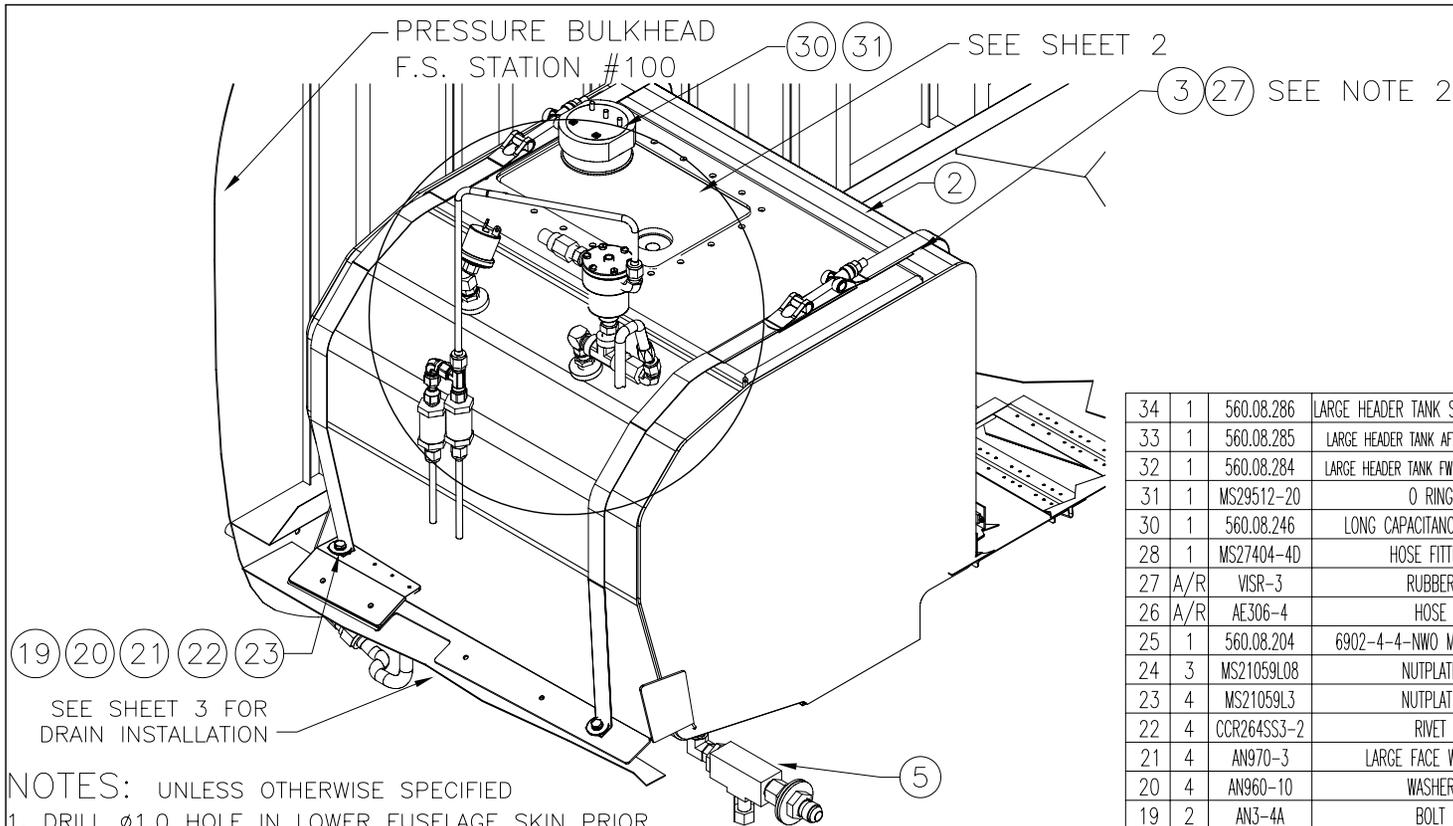
If there are any questions, please contact Rich Runyon in Engineering or Chris Hansen in maintenance at (509) 535-4401.

Sincerely,

  
Darwin C. Conrad  
President  
JetPROP, LLC

Attachments

- Drawing 560.08.200-L
- Drawing 560.08.220-L
- Drawing 560.08.240
- Drawing 560.08.300-L
- Drawing 560.12.068
- Drawing 560.12.072A,B,C
- Drawing 560.14.500-L
- Drawing 560.14.502-L
- Drawing 560.14.503-L
- Large Header Upgrade Parts Listing
- Large Header Upgrade Hardware Listing



- NOTES:** UNLESS OTHERWISE SPECIFIED
1. DRILL  $\phi 1.0$  HOLE IN LOWER FUSELAGE SKIN PRIOR TO INSTALLATION. MEASURE 6.63 OUT FROM NOSE LANDING GEAR DOOR HINGE, AND 4.25 FORWARD OF PRESSURE BULKHEAD (FS #100).
  2. ATTACH RUBBER TO UNDERSIDE OF STRAPS WITH RTV SILICONE.
  3. DRILL 3 #10 HOLES THRU ANGLE TO MATCH THE NUTPLATE LOCATIONS IN THE AIRCRAFT.
  4. REMOVE PLUG AND INSTALL SENDER ONLY AFTER THE TANK HAS BEEN INSTALLED IN THE AIRCRAFT.
  5. AFTER INSTALLING THE TANK PRESSURE TEST THE SYSTEM TO 20 PSI AND MAKE SURE THE OVERBOARD CHECK VALVE OPENS.
  6. DRILL OUT EXISTING RIVETS IN FLOOR & SUPPORT BRACKETS TO ATTACH 560.08.286 BRACKET. DRILL 560.08.286 TO MATCH. REPLACE RIVETS AS CALLED OUT.
  7. IF NECESSARY GRIND A FLAT SPOT ON THE WASHER TO FIT SECURELY IN THE STRAP RADIUS.

REVISION DESCRIPTION

- ADDED VIEW.
- UPDATED B.O.M.

6	1	560.08.700A OR B	HEADER TANK VENT SYSTEM INSTALL
5	1	560.08.400	FUEL LINE/FITTINGS INSTALLATION
4	1	560.08.270	SMALL SWITCH ASSEMBLY
3	2	560.08.230-L	LARGE HEADER TANK STRAP ASSY.
2	1	560.08.220-L	LARGE HEADER TANK ASSEMBLY
1	1	560.08.201	HEADER TANK LIGHT PRESS SWITCH

ITEM	QTY	PART NO.	DESCRIPTION
34	1	560.08.286	LARGE HEADER TANK STRAP SUPPORT
33	1	560.08.285	LARGE HEADER TANK AFT MOUNT PLATE
32	1	560.08.284	LARGE HEADER TANK FWD MOUNT PLATE
31	1	MS29512-20	O RING
30	1	560.08.246	LONG CAPACITANCE SENDER
28	1	MS27404-4D	HOSE FITTING
27	A/R	VISR-3	RUBBER
26	A/R	AE306-4	HOSE
25	1	560.08.204	6902-4-4-NWO MODIFICATION
24	3	MS21059L08	NUTPLATE
23	4	MS21059L3	NUTPLATE
22	4	CCR264SS3-2	RIVET
21	4	AN970-3	LARGE FACE WASHER
20	4	AN960-10	WASHER
19	2	AN3-4A	BOLT
18	2	AN3-5A	BOLT
17	1	560.08.205	6806-4-4-NWO MODIFICATION
16	4	CR3213 4-3	RIVET
15	1	AN917-2D	FEMALE TEE
14	10	MS20470M3-3	RIVET
13	2	AN911-2D	UNION
12	2	AN822-4-4D	90° ELBOW
11	1	AN819-4D	SLEEVE
10	1	AN818-4D	NUT
9	1	CAV-110H-4	DRAIN FITTING
8	1	532A-2MP-20	20 PSI CHECK VALVE
7	1	532A-2MP-4	4 PSI CHECK VALVE

BILL OF MATERIALS

SCALE:		SIZE:	REVISION				
NTS		B	FOR DESCRIPTION OF CHANGE - SEE ABOVE				
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES TOLERANCES: .X $\pm$ .10 .XX $\pm$ .030 .XXX $\pm$ .010 $\nabla$ $\pm$ .1' REMOVE BURRS AND SHARP EDGES			LTR	ECO#	BY	DATE	CHK
			A	5300	LF	7/07	
B	5645	LF	10/07				
BY		DATE					
DRAWN		R. BETHEL	9/06				
CHECKED							
APPR'D							
FAA APPL							

**JETPROP  
LLC**

PROJECT:	JetPROP DLX
DRAWING TITLE:	LARGE HEADER TANK INSTALL.
SHEET 1 OF 4	DRAWING NUMBER: 560.08.200-L REV. B

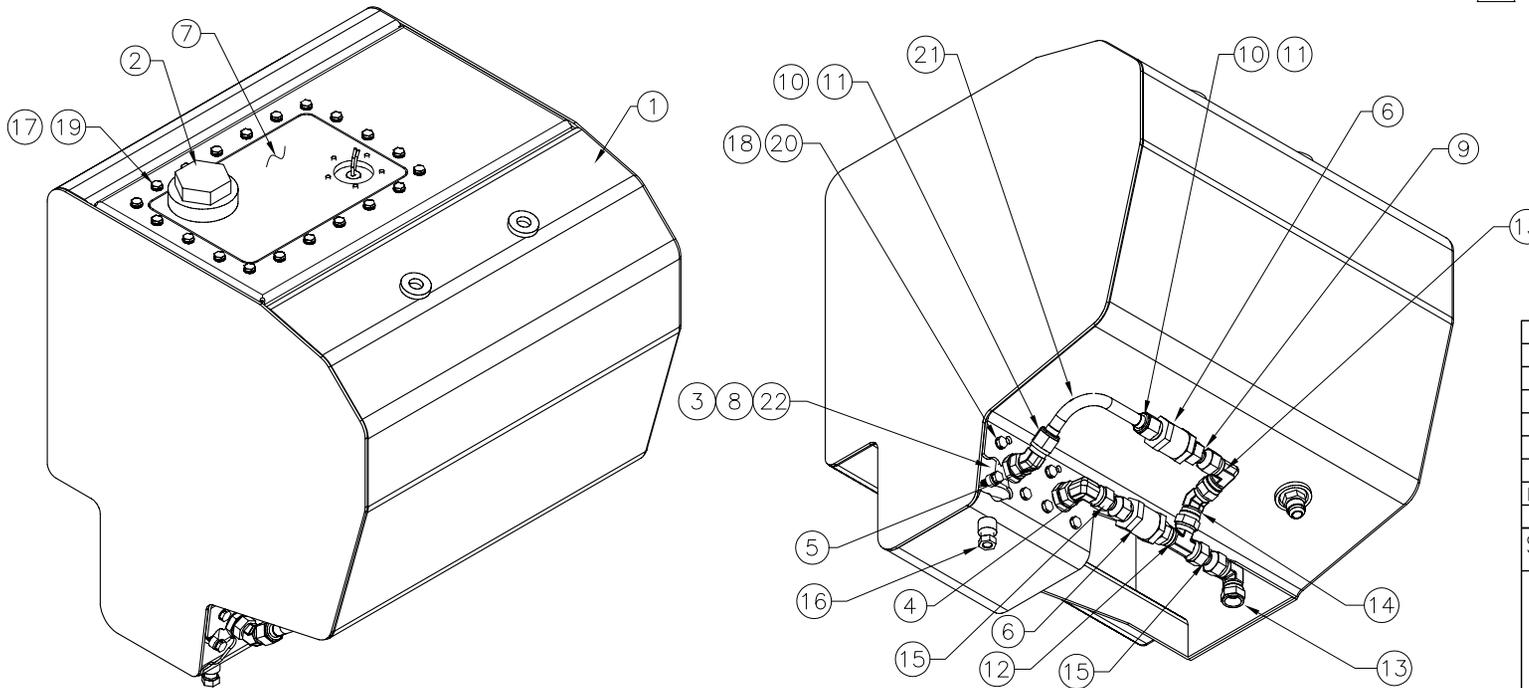






REVISION DESCRIPTION

△ CHANGED PART IN B.O.M.



7	1	560.08.240	FUEL LEVEL SENDER ASSEMBLY
6	2	560.08.226	MODIFIED CHECK VALVE
5	1	560.08.225	6802-8-8-NWO MODIFICATION
4	1	560.08.224	6801-8-8-NWO MODIFICATION
3	2	560.08.223	FUEL PUMP GASKET
2	1	6408-20-0	FITTING
1	1	560.08.280	LARGE HEADER TANK WELDMENT
ITEM	QTY	PART NO.	DESCRIPTION

BILL OF MATERIALS

SCALE:	NTS	SIZE:	B	REVISION				
UNLESS OTHERWISE SPECIFIED				FOR DESCRIPTION OF CHANGE - SEE ABOVE				
ALL DIMENSIONS ARE IN INCHES				LTR	ECO#	BY	DATE	CHK
TOLERANCES:				A	5952	RB	12/07	
.X ±.10 .XX ±.030								
.XXX ±.010 ±.1"								
REMOVE BURRS AND SHARP EDGES								
		BY	DATE					
DRAWN		R. BETHEL	9/06					
CHECKED								
APPR'D								
FAA APPL								

22	AR	8802 B-1/2	SEALANT
21	AR	-	5052-0, Ø.500 X .035 THK.
20	8	AN960-416L	THIN WASHER
19	20	AN960-10	WASHER
18	8	AN4H4A	BOLT
17	20	AN3-6A	BOLT
16	1	5406-4-2	REDUCER (1/4 X 1/8 PTR-S)
15	2	6565-8-8	UNION
14	1	6502-8-8	45° ELBOW (8V6X-S)
13	2	6500-8-8	90° ELBOW (8C6X-S)
12	1	6602-8-8-8	TEE (8R6X-S)
11	2	AN819-8D	SLEEVE
10	2	AN818-8D	NUT
9	1	FCM2916	UNION
8	2	1C15-4	PUMP
ITEM	QTY	PART NO.	DESCRIPTION
BILL OF MATERIALS			
220-L	560.08.200-L	LARGE HEADER TANK INSTALL	1
P/N	NEXT ASSY.	USED ON	QTY.

NOTES: UNLESS OTHERWISE SPECIFIED.  
1. PRESSURE TEST TO 25 PSI FOR 30 SECONDS.

**JETPROP LLC**

PROJECT: **JetPROP DLX**

DRAWING TITLE: **LARGE HEADER TANK ASSEMBLY**

SHEET 1 OF 1	DRAWING NUMBER: 560.08.220-L	REV. A
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REVISION DESCRIPTION

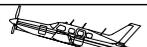
- △ CORRECTED B.O.M.
- △ CHANGED TO SHOW FLOAT SWITCH.
- △ CHANGED PART.
- △ CHANGED SCREWS.
- △ CHANGED ITEM IN B.O.M.
- △ CHANGED ITEMS IN B.O.M.
- △ ADDED NOTES.
- △ ADDED TO USED ON.

7	5	AN525-1032R10	SCREW
6	1	560.08.244	SENDER ADAPTER
5	1	560.08.221	HEADER TANK LID
4	5	AN960-10L	WASHER
3	5	AN525-1032R8	SCREW
2	2	560.08.228	HEADER TANK SENDING UNIT GASKET
1	1	560.08.265	SWITCH CAN ASSEMBLY
ITEM	QTY	PART NO.	DESCRIPTION

BILL OF MATERIALS

SCALE:	NTS	SIZE:	B	REVISION				
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES TOLERANCES: .X ±.10 .XX ±.030 .XXX ±.010 ±.1' REMOVE BURRS AND SHARP EDGES				FOR DESCRIPTION OF CHANGE - SEE ABOVE				
				LTR	ECO#	BY	DATE	CHK
		BY	DATE	A	1172	RD	7/00	
DRAWN	J. WEEG	3/00		B	1300	RD	4/01	
CHECKED				C	3113	LF	1/05	
APPRV'D				D	3865	RD	12/05	
FAA APPL				E	4292	RB	7/06	
				F	4770	RB	2/07	
				G	5414	LF	8/07	
				H	5659	LF	10/07	

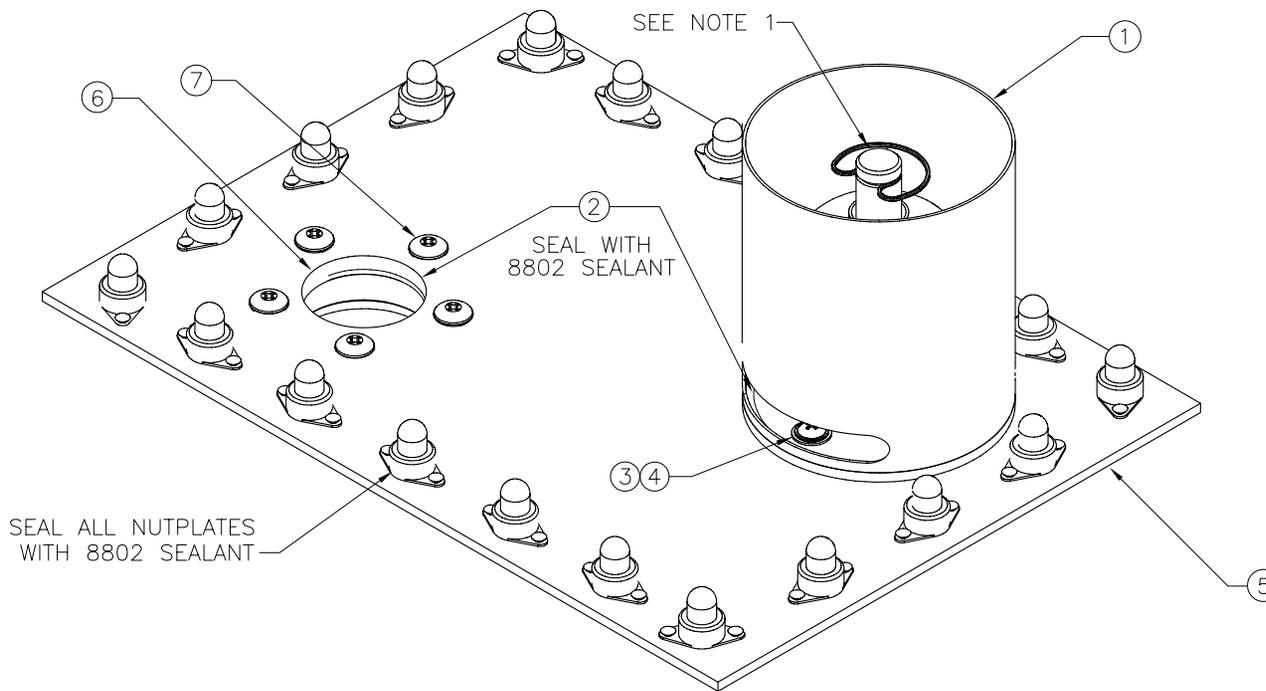
**JETPROP  
LLC**

PROJECT: **JetPROP DLX** 

DRAWING TITLE: **FUEL LEVEL SENDER ASSY**

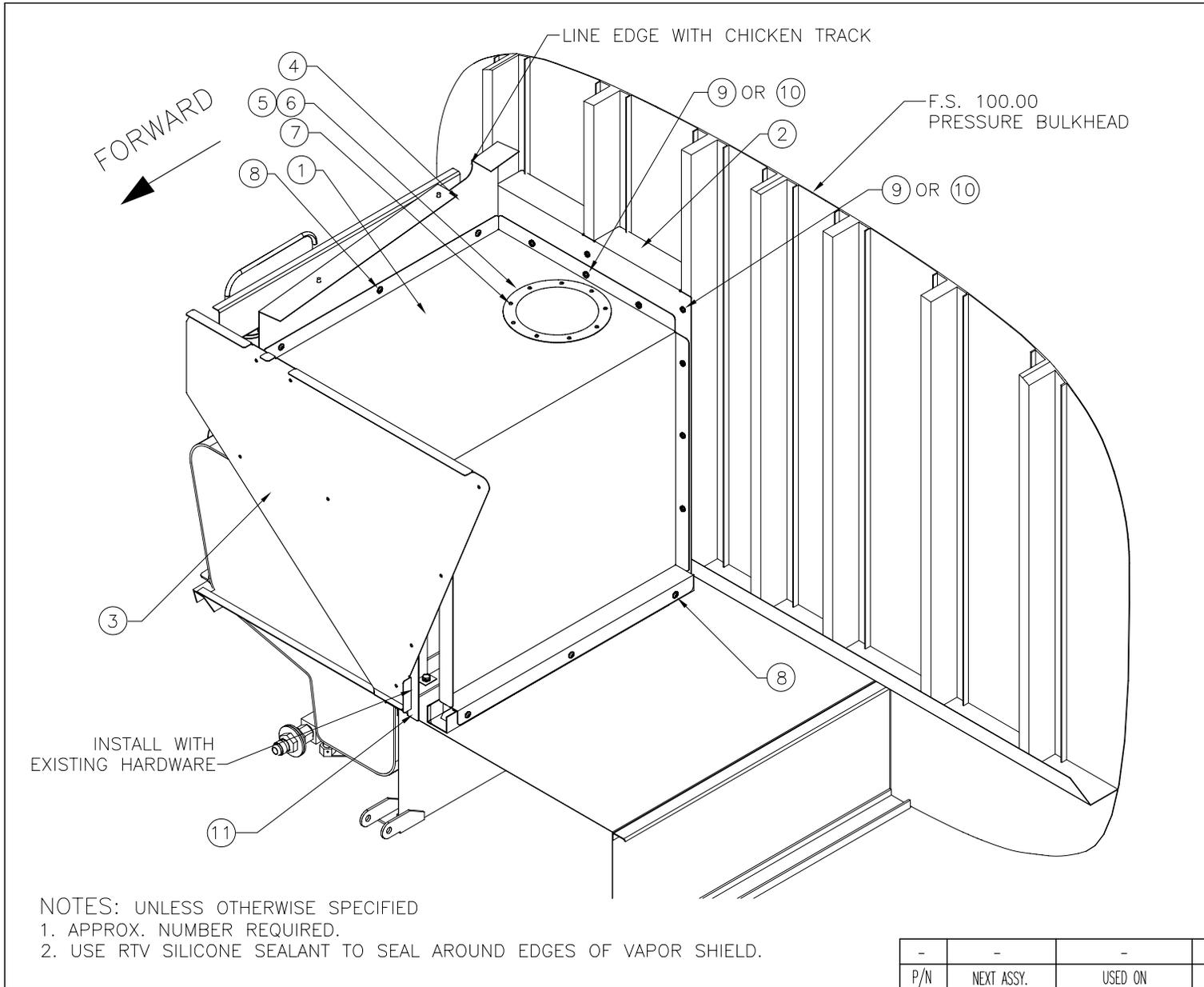
.240	560.08.220-L	LRG HEADER TANK ASSY	1
.240	560.08.220	HEADER TANK ASSY	1
P/N	NEXT ASSY.	USED ON	QTY.

SHEET	DRAWING NUMBER:	REV.
1 OF 1	560.08.240	H



NOTES: UNLESS OTHERWISE SPECIFIED.

1. INSTALL THE FLOAT WITH THE "NO" UP (TOWARD LID) AND THE "NC" DOWN.
2. TORQUE SCREWS TO 20-25 IN-LBS



REVISION DESCRIPTION	
△	CORRECTED HOLE LAYOUT.

ITEM	QTY	PART NO.	DESCRIPTION
11	1	560.08.307-L	LARGE VAPOR SHIELD FILLER PLATE
10	A/R	1303.0818.0050.20	SCREW
9	30	1303.0620.0037.20	SCREW (SEE NOTE 1)
8	8	AN525-832R6	SCREW
7	9	MS20470AD3-3	RIVET
6	1	560.08.306	VAPOR SHIELD SUPPORT RING
5	1	560.08.305	VAPOR SHIELD BUBBLE
4	1	560.08.304-L	LARGE VAPOR SHIELD UPPER MOUNT
3	1	560.08.303-L	LARGE VAPOR SHIELD FORWARD SIDE
2	1	560.08.302-L	LARGE VAPOR SHIELD AFT SIDE
1	1	560.08.301-L	LARGE HEADER TANK VAPOR SHIELD

BILL OF MATERIALS						
SCALE: 1:1		SIZE: B		REVISION		
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES TOLERANCES: .X ±.10 .XX ±.030 .XXX ±.010 ±.1" REMOVE BURRS AND SHARP EDGES				FOR DESCRIPTION OF CHANGE - SEE ABOVE		
				LTR	ECO#	BY
		A	5906	RB	11/07	
	BY	DATE				
DRAWN	L.FIRESTONE	8/07				
CHECKED						
APPR'D						
FAA APPL						

NOTES: UNLESS OTHERWISE SPECIFIED  
 1. APPROX. NUMBER REQUIRED.  
 2. USE RTV SILICONE SEALANT TO SEAL AROUND EDGES OF VAPOR SHIELD.

P/N	NEXT ASSY.	USED ON	QTY.
-	-	-	-

**JETPROP  
LLC**

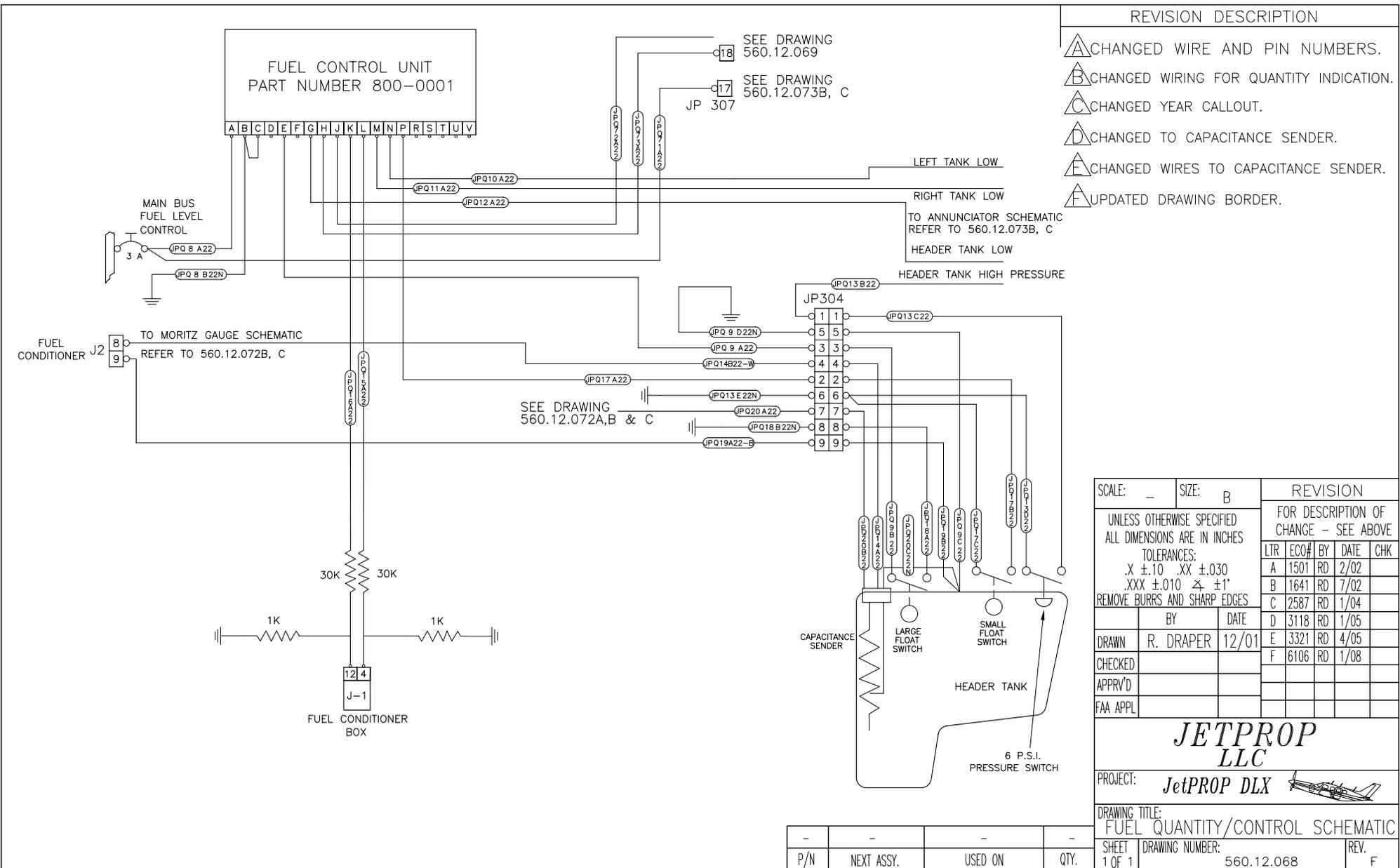
PROJECT: **JetPROP DLX**

DRAWING TITLE: **LARGE VAPOR SHEILD INSTALL**

SHEET 1 OF 1	DRAWING NUMBER: 560.08.300-L	REV. A
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USE FOR ALL AIRCRAFT

MORITZ INSTRUMENTS



REVISION DESCRIPTION

- △ CHANGED WIRE AND PIN NUMBERS.
- △ CHANGED WIRING FOR QUANTITY INDICATION.
- △ CHANGED YEAR CALLOUT.
- △ CHANGED TO CAPACITANCE SENDER.
- △ CHANGED WIRES TO CAPACITANCE SENDER.
- △ UPDATED DRAWING BORDER.

SCALE: -	SIZE: B	REVISION				
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES		FOR DESCRIPTION OF CHANGE - SEE ABOVE				
		LTR	ECO#	BY	DATE	CHK
TOLERANCES:		A	1501	RD	2/02	
.X ±.10 .XX ±.030		B	1641	RD	7/02	
.XXX ±.010 ±.1"		C	2587	RD	1/04	
REMOVE BURRS AND SHARP EDGES		D	3118	RD	1/05	
DRAWN	R. DRAPER	E	3321	RD	4/05	
CHECKED		F	6106	RD	1/08	
APPRV'D						
FAA APPL						

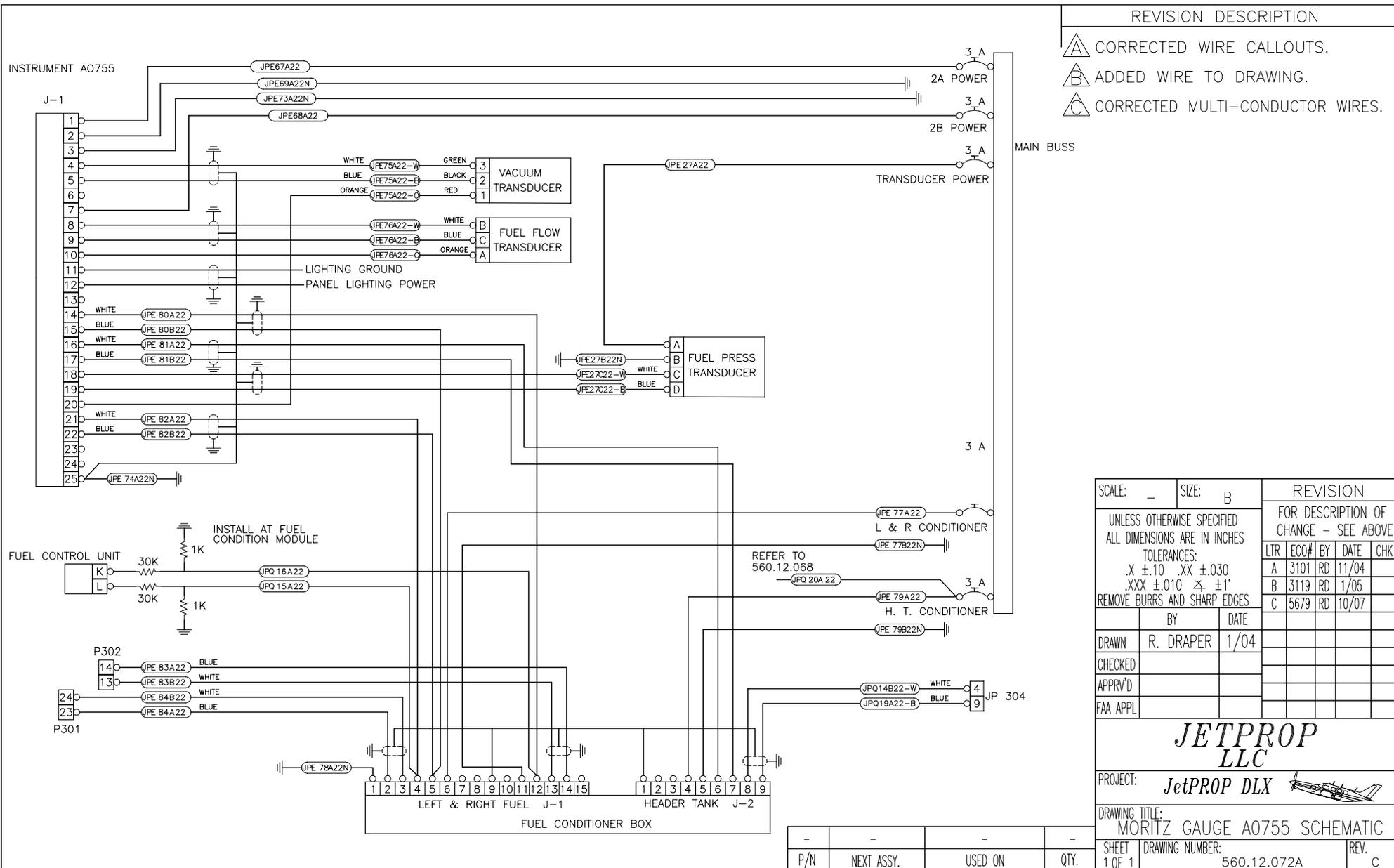
**JETPROP LLC**

PROJECT:	JetPROP DLX		
DRAWING TITLE:	FUEL QUANTITY/CONTROL SCHEMATIC		
SHEET 1 OF 1	DRAWING NUMBER:	560.12.068	REV. F

-	-	-	-
P/N	NEXT ASSY.	USED ON	QTY.

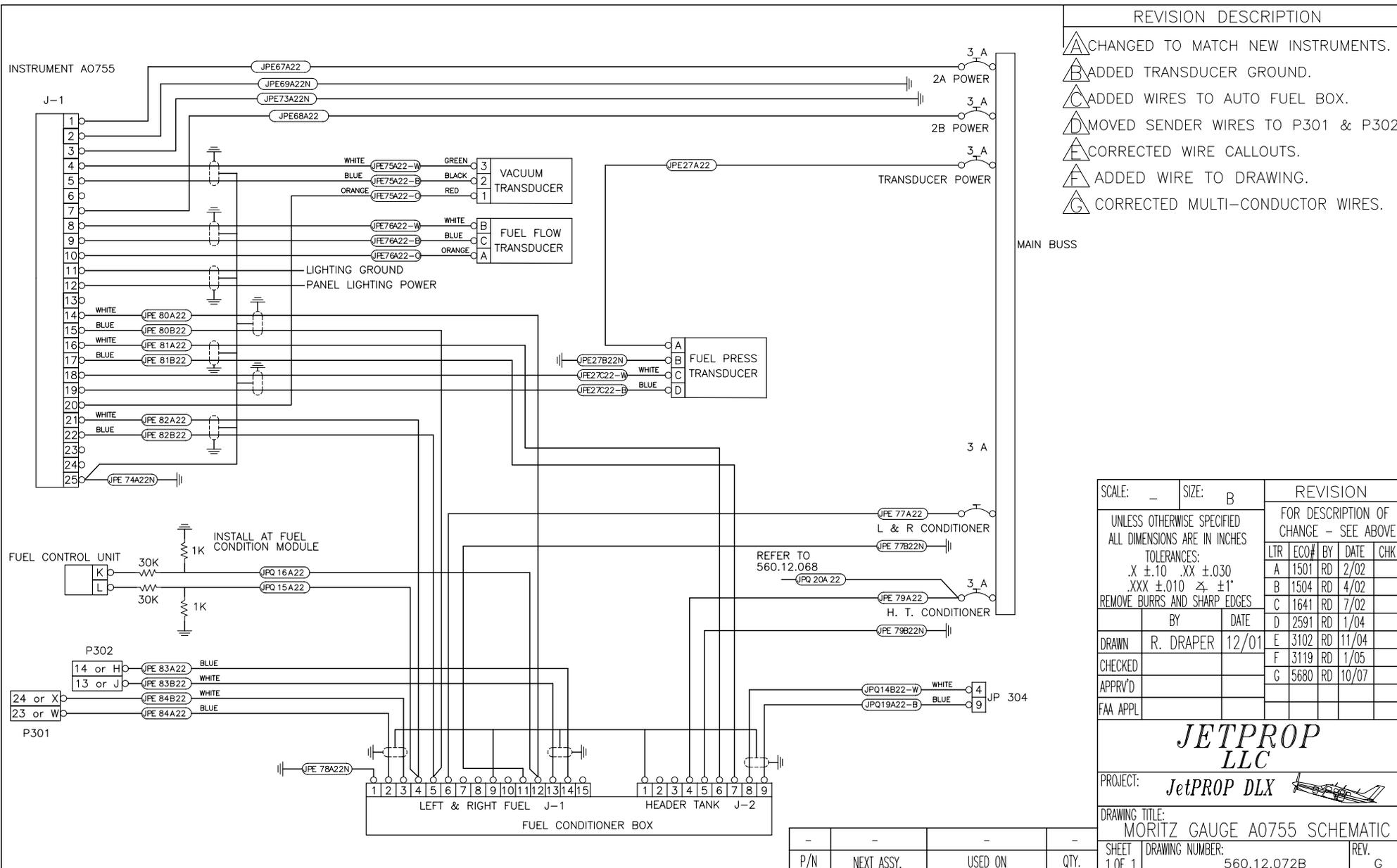
USE FOR 84-88 MALIBU

MORITZ INSTRUMENTS



USE FOR 89-95 MIRAGE

MORITZ INSTRUMENTS



REVISION DESCRIPTION	
△	CHANGED TO MATCH NEW INSTRUMENTS.
△	ADDED TRANSDUCER GROUND.
△	ADDED WIRES TO AUTO FUEL BOX.
△	MOVED SENDER WIRES TO P301 & P302
△	CORRECTED WIRE CALLOUTS.
△	ADDED WIRE TO DRAWING.
△	CORRECTED MULTI-CONDUCTOR WIRES.

SCALE:	SIZE:	REVISION				
-	B	FOR DESCRIPTION OF CHANGE - SEE ABOVE				
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES		LTR	ECO#	BY	DATE	CHK
TOLERANCES:		A	1501	RD	2/02	
.X ±.10 .XX ±.030		B	1504	RD	4/02	
.XXX ±.010 ±.1*		C	1641	RD	7/02	
REMOVE BURRS AND SHARP EDGES		D	2591	RD	1/04	
DRAWN	R. DRAPER	E	3102	RD	11/04	
CHECKED		F	3119	RD	1/05	
APPR'VD		G	5680	RD	10/07	
FAA APPL						

**JETPROP LLC**

PROJECT: **JetPROP DLX**

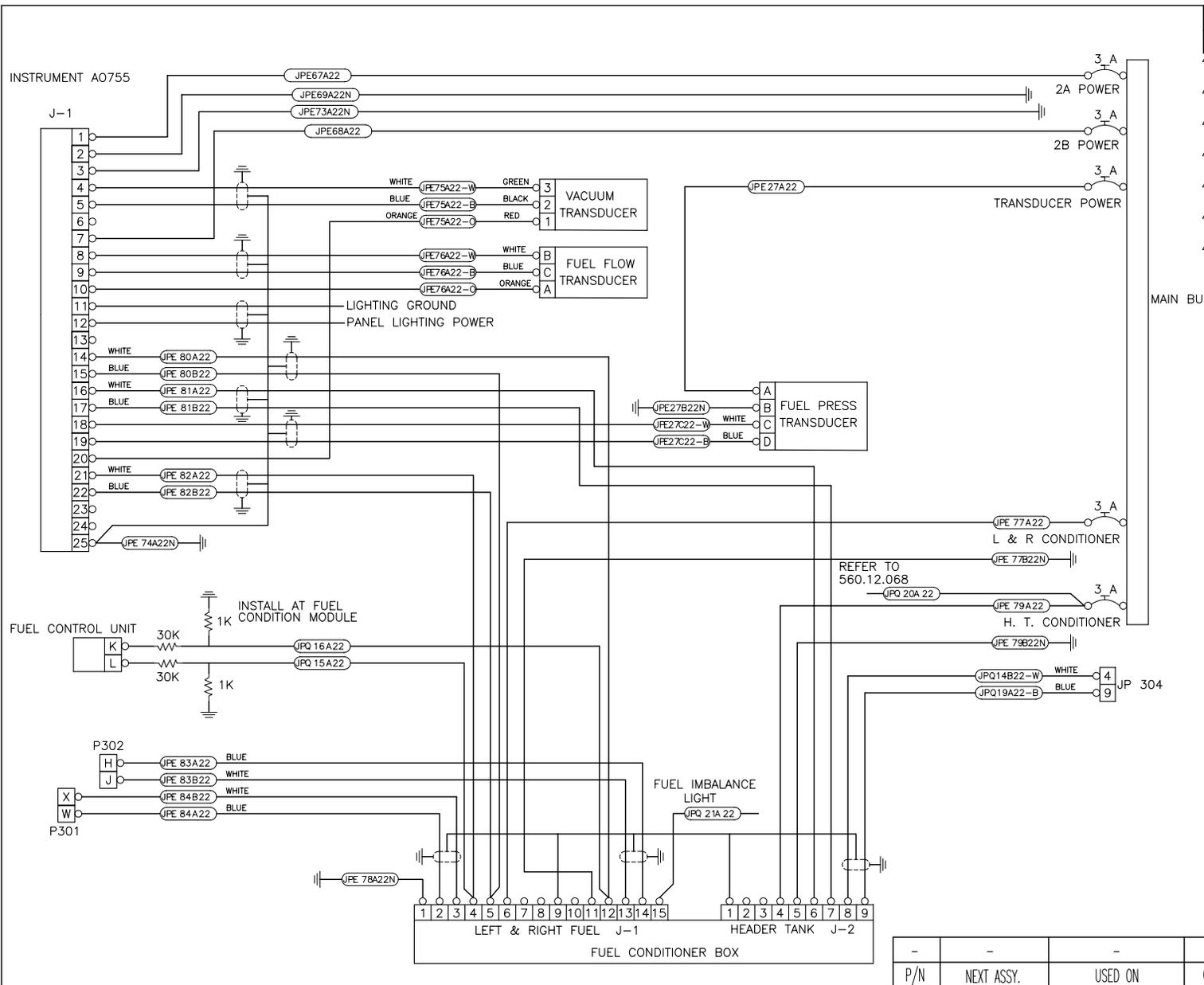
DRAWING TITLE: **MORITZ GAUGE A0755 SCHEMATIC**

SHEET 1 OF 1	DRAWING NUMBER: 560.12.072B	REV. G
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USE FOR 96 & NEWER MIRAGE

MORITZ INSTRUMENTS



REVISION DESCRIPTION

- △ CHANGED TO MATCH NEW INSTRUMENTS.
- △ ADDED TRANSDUCER GROUND.
- △ ADDED WIRES TO AUTO FUEL BOX.
- △ MOVED SENDER WIRES TO P301 & P302
- △ CORRECTED WIRE CALLOUTS.
- △ ADDED WIRE TO DRAWING.
- △ CORRECTED MULTI-CONDUCTOR WIRES.

SCALE: -	SIZE: B	REVISION				
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES TOLERANCES: .X ±.10 .XX ±.030 .XXX ±.010 ±.1*		FOR DESCRIPTION OF CHANGE - SEE ABOVE				
		LTR	ECO#	BY	DATE	CHK
		A	1501	RD	2/02	
		B	1504	RD	4/02	
		C	1641	RD	7/02	
		D	2592	RD	1/04	
		E	3103	RD	11/04	
		F	3119	RD	1/05	
		G	5681	RD	10/07	
DRAWN	R. DRAPER	12/01				
CHECKED						
APPR'VD						
FAA APPL						

**JETPROP LLC**

PROJECT: **JetPROP DLX**

DRAWING TITLE: **MORITZ GAUGE A0755 SCHEMATIC**

SHEET 1 OF 1	DRAWING NUMBER: 560.12.072C	REV. G
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REVISION DESCRIPTION

FIREWALL  
F.S. 79.00

USE 3M VELCRO AR

PRESSURE BULKHEAD  
F.S. 100

USE EXISTING HARDWARE

3

1 4 5 6

6	A/R	IF223	VELCRO (HOOKS)
5	A/R	IF223	VELCRO (LOOPS)
4	A/R	CARPET625.02	ELDORADO/BLK CARPET
3	1	560.14.503-L	LARGE FORWARD PANEL
2	1	560.14.502-L	LARGE AFT PANEL
1	1	560.14.501	CARPET HOLD DOWN
ITEM	QTY	PART NO.	DESCRIPTION

BILL OF MATERIALS

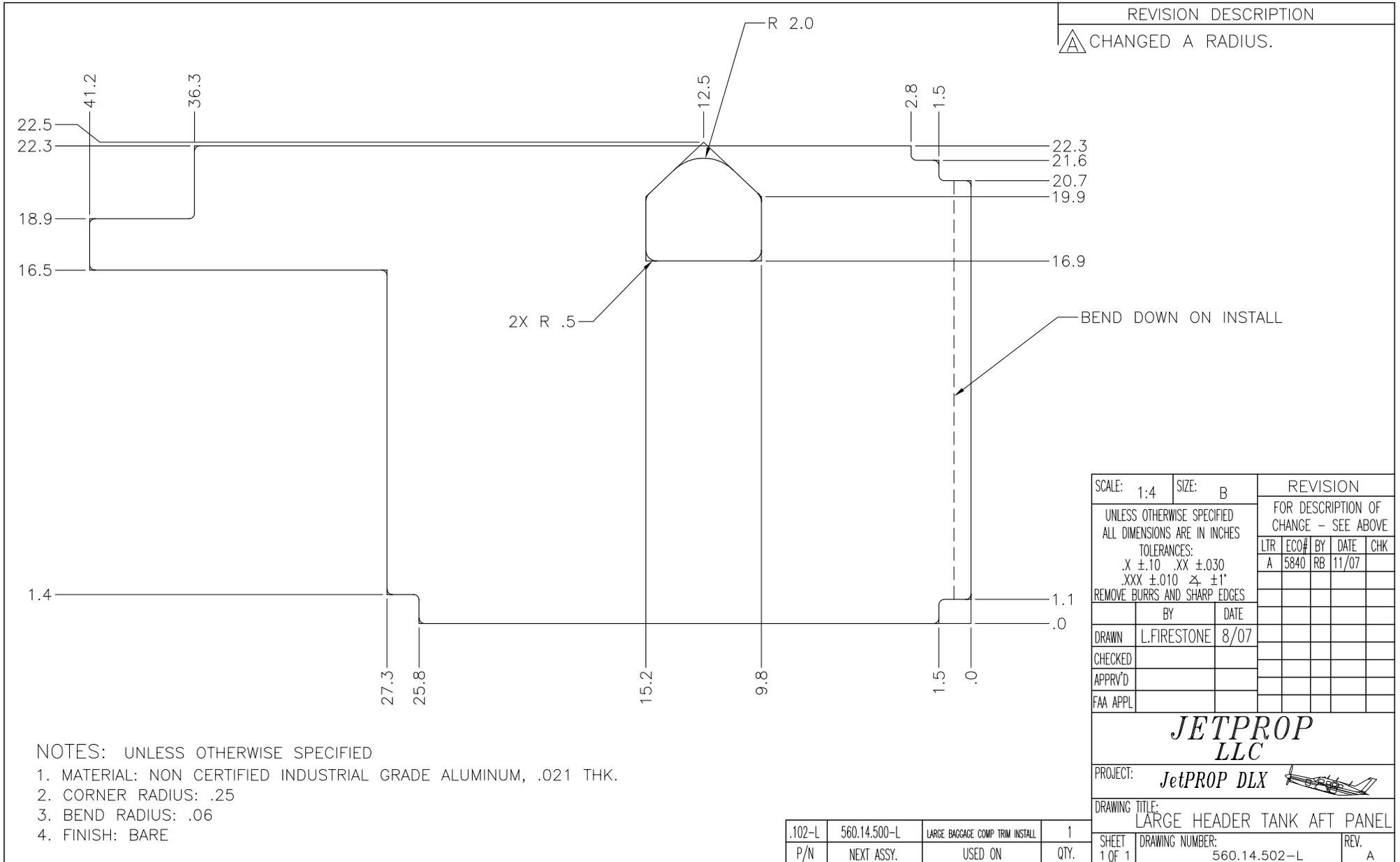
SCALE:	NTS.	SIZE:	B	REVISION			
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES TOLERANCES: .X ±.10 .XX ±.030 .XXX ±.010 ±.1" REMOVE BURRS AND SHARP EDGES				FOR DESCRIPTION OF CHANGE - SEE ABOVE			
				LTR	ECO#	BY	DATE
		BY	DATE				
DRAWN	L.FIRESTONE	8/07					
CHECKED							
APPR'D							
FAA APPL							

**JETPROP  
LLC**

PROJECT: **JetPROP DLX** 

DRAWING TITLE:  
LARGE BAGGAGE COMP TRIM INSTALL

-	-	-	-
P/N	NEXT ASSY.	USED ON	QTY.
SHEET 1 OF 1	DRAWING NUMBER: 560.14.500-L		REV. N/C



REVISION DESCRIPTION	
△	CHANGED A RADIUS.

SCALE: 1:4	SIZE: B	REVISION				
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES TOLERANCES: .X ±.10 .XX ±.030 .XXX ±.010 ∓ ±1' REMOVE BURRS AND SHARP EDGES		FOR DESCRIPTION OF CHANGE - SEE ABOVE				
		LTR	ECO#	BY	DATE	CHK
		A	5840	RB	11/07	
	BY	DATE				
DRAWN	L.FIRESTONE	8/07				
CHECKED						
APPR'D						
FAA APPL						

- NOTES: UNLESS OTHERWISE SPECIFIED
1. MATERIAL: NON CERTIFIED INDUSTRIAL GRADE ALUMINUM, .021 THK.
  2. CORNER RADIUS: .25
  3. BEND RADIUS: .06
  4. FINISH: BARE

<b>JETPROP LLC</b>		
PROJECT:	<b>JetPROP DLX</b>	
DRAWING TITLE:	<b>LARGE HEADER TANK AFT PANEL</b>	
SHEET 1 OF 1	DRAWING NUMBER: 560.14.502-L	REV. A

.102-L	560.14.500-L	LARGE BAGGAGE COMP TRIM INSTALL	1
P/N	NEXT ASSY.	USED ON	QTY.



Large Header Tank Upgrade Parts Listing

Part Number	Description	Quantity
560.08.221	Header Tank Lid	1
560.08.223	Fuel Pump Gasket	2
560.08.228	Header Tank Sending Unit Gasket	2
560.08.230-L	Large Header Tank Strap Assembly	2
560.08.244	Sender Adaptor	1
560.08.246	Long Capacitance Sender	1
560.08.280	Large Header Tank Weldment	1
560.08.284	Large Header Tank Forward Mount Plate	1
560.08.285	Large Header Tank Aft Mount Plate	1
560.08.286	Large Header Tank Strap Support	1
560.08.301-L	Large Header Tank Vapor Shield	1
560.08.302-L	Large Vapor Shield Aft Side	1
560.08.303-L	Large Vapor Shield Forward Side	1
560.08.304-L	Large Vapor Shield Upper Mount	1
560.08.305	Vapor Shield Access Panel	1
560.08.306	Vapor Shield Support Ring	1
560.08.307-L	Large Vapor Shield Filler Plate	1
A2130	Moritz Instrument Module with HDR fuel QTY	1
	JetProp Flight manual Supplement thru C19	
	Copy of JetProp STC as amended 9/17/07	

## Large Header Tank Upgrade Hardware Kit Listing

Part Number	Description	Quantity
5052-O, .25 DIA x .035 wall	Aluminum vent line replacement	2 ft
AN819-4D/MS20819-4D	Sleeve	2
AN818-4D	Nut	2
MS35489-10	Grommet	1
AN525-1032R10	Capacitance sender adaptor screws	5
AN525-1032R8	Replacement lower float switch screws	5
MS29512-20	Capacitance Sender O Ring	1
AN4H-4A	Fuel Pump Replacement Bolts	8
AN960-416L	Washers for fuel pump bolts	8
MS29512-08	Replacement O rings for fuel pump fittings	2
306-4	Over board vent hose	4 ft
MS27404-4D/471-4D	Hose fitting for Over board vent hose	1
MS21059L08	Nut plates for 560.08.286	3
MS21059L3	Nut plates for inboard strap attachment	2
MS20427M3-3	Nut plate rivets	10
AN970-3	Header Tank Strap Large Face Washers	4
AN960-10L	Strap & Float Switch washers	10
AN3-5A	Inboard strap bolts	2
AN3-4A	Outboard strap bolts	2
CR3213 4-3	Rivets for attaching 560.08.286	4
CS204 B 1/2	Sealant	
RTV 100	RTV Silicone	
1303.0620.0037.20	Vapor Shield Screws	30
1303.0818.0050.20	Vapor Shield Screws	10
AN525-832R6	Vapor Shield Screws	8
MS20470AD3-3	Rivets for vapor shield bubble	9
GEE 62F-C	Chicken Track/Grommet Edging	10 inches
5406-4-2	Reducer (1/4 x 1/8 PTR-S) drain fitting	1
CAV-110H-4	Header tank drain	1
MS29512-04	Replacement O ring for upper float assy and pressure switch fittings	2