

PL-1 MUTUAL AID LETTER #9  
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HELLO PL-1 TRANS:

IN THIS LETTER YOU HAVE A BRIEF RUN DOWN ON LETTER # 8. IT CAME OFF THE PRINTER SO POORLY I WAS ALMOST ASHAMED TO SEND IT OUT BUT FIGURED YOU COULD GET A LITTLE SOMETHING FROM IT. I HAVE FOUND TROUBLE WITH PRINTER & I WILL ASSURE YOU IT WON'T HAPPEN AGAIN. THANKS FOR BEARING WITH ME.

FIRST A RUNDOWN ON # 8 AND THEN ON WITH THE LATEST. HERE GOES:

MR. DICK BRUNNEMER - 602 BUCKINGHAM DR. - MARION, INDIANA 46952- HAS LOCATED A PLACE TO DO ALL THE MACHINE WORK ON THE LANSING GEAR FOR \$375. I'M NOT SURE WHERE THIS INCLUDES MATERIAL OR NOT. CONTACT DICK FOR THIS.

BEST SOURCE I'VE HEARD OF FOR FIBERGLASS AND SUPPLIES IS DEFENDER INDUSTRIES 384 BROADWAY, NEW YORK, N.Y. 10013. ORDER MARINE BUYERS GUIDE. THIS IS A FREE CATALOG.

FOR GROUP ORDERING ON TUBING, GET IN TOUCH WITH GEORGE HAWKS, 109 ALBERDEEN CIRCLE, PINALE, CALIF. 94564. ALSO CONTACT GEORGE FOR NYLON GRONMETS FOR FUEL LINES THRU RIBS. HE IS GETTING UP A GROUP ORDER FOR THESE.

MR. MERRILL ROTH-ROTH MFG. CO., INC. 811 NORTH 23rd. AVE. PORTLAND 10, OREGON HAS COME UP WITH A JAM UP LITTLE TRIM TAB WHEEL MADE OF PLASTIC IMPREGNATED WITH FIBERGLASS THAT SHOULD SAVE US QUIET A BIT OF MILLING. THIS IS A TIME SAVER FOR US. THE PRICE OF \$ 2.00 INCLUDING THE SMALL HARD TO FIND ROLL PINS WILL BE WELL SPENT I BELIEVE. THIS IS SMALLER THAN THE ONE SHOWN ON THE PL-1 PRINTS BUT DON'T GET ALARMED BECAUSE THIS IS THE PL-2 WHEEL AND IS ADAPTABLE TO THE PL-1. IT FEATURES IMPROVEMENTS SUCH AS KNURLED EDGES FOR EASY GRIP, AS WELL AS THE SMALLER SIZE.

OUR FRIEND DICK POSTON GIVES US A FEW HINTS ON FIBERGLASS WORK. DICK USES THE VACUUM BAGGING PROCESS. A PLUG MOLD IS MADE AS SHOWN ON PRINT. DRAPE YOUR PLASTIC BAG OVER MOLD AFTER YOU APPLY RESIN AND FIBERGLASS. SEAL THE EDGES WITH A GOOD SEALER OR TAPE. THEN FORM YOUR VACUUM BY PULLING ALL THE AIR FROM BENEATH THE BAG WITH A SMALL AIR COMPRESSOR HOOKED UP BACKWARDS. RESULTS WILL BE A GOOD SMOOTH FLAWLESS SURFACE WITH VERY LITTLE IF ANY SANDING AFTERWARDS.

ABOUT TWO DIXIE CUPS OF RESIN IS ALL THAT IS NEEDED PER TIP TANK HALF, JUST ENOUGH TO DAMPEN CLOTH. THIS CAN BE WORKED IN WITH A ROUNDED PIECE OF WOOD. BE SURE TO APPLY RESIN BEFORE YOU PUT BAG ON. YOU MAY FIND IT NECESSARY TO PUT A TRAP IN THE LINE TO KEEP RESIN OUT. IT IS CERTAINLY WORTH TRYING AND I EXPECT TO GET STARTED ON MINE RIGHT AWAY. THANKS A MILLION DICK.

DICK ALSO HAS VARIOUS COMPLETED COMPONENTS FOR SALE. DROP HIM A LINE FOR INFORMATION ON THIS AS WELL AS A COMPLETE LINE OF HARDWARE.

FELLOWS THAT PRETTY WELL COVER #8. NOW THE NEW STUFF.

MR. MERRILL ROTH ALSO HAS COME UP WITH A VERY GOOD LOOKING RIB HE IS PRODUCING BY HYDROFORMING. THIS RIB HAS A LOT OF TIME SAVING ENGINEERING, SUCH A BUILT ON ATTACH ANGLE TO SPAR. ALSO A HOLE RECESS HAS BEEN PRESSED INTO THE RIB. A REAL SHARP LITTLE RIB THAT MR. ROTH HAS PUT QUIET A BIT OF TOOLING AND THOUGHT. I'M SURE IF THE DEMAND IS GREAT ENOUGH, MERRILL COULD MAKE A FEW EXTRA SETS. WE DON'T HAVE A PRICE GET BUT IF YOU MIGHT BE INTERESTED LET HIM KNOW AND IF HE IS GOING TO PRODUCE THEM FOR SALE WE CAN PUBLISH A PRICE ON THIS. GOOD WORK MERRILL.

ONE MORE LITTLE HINT FROM MERRILL ROTH. THE SPAR SPLICE BAR OF 1" THICK CAN BE MADE FROM A PIECE OF THE EXTRA 3/4" BAR. TO DO THIS YOU CAN SLIGHTLY BEND THIS IN THE CENTER, JUST ENOUGH TO RAISE EACH END ABOUT 1/4".

BE CAREFUL ON THIS ATTEMPT. A HYDRO-PRESS WOULD BE USEFUL.

IF ANY OF OUR BUILDERS IN THE OMAHA, NEBRASKA AREA HAVE ANYTHING TO SWAP OR TRADE FOR MACHINE WORK CONTACT MR. DARRELL YENNEY, 12417 SHIRLEY ST. OMAHA, NEBRASKA 68144. DARRELL DOES REAL SHARP WORK AND IS A TOOL AND DIE MAKER. I'M SURE HE WILL BE GLAD TO HEAR FROM ANY OF YOU PL-1 BUILDERS, ESPECIALLY ONES IN HIS AREA. LOTS OF LUCK DARRELL.

A LETTER FROM MR. RANDON REID, 18496 CLIFTON WAY, CASTRO VALLEY, CALIF. 94546. SAYS HE WILL COMPLETELY REBUILD AN O-200D WITH STANDARD PARTS FOR \$ 375. THIS EXCLUDES MAGS, OIL PAN, CARBS AND WIRING. RAN IS A DC-8 PILOT AND HOMEBUILDER AND DOES THIS IN HIS SPARE TIME. LET HIM HEAR FROM YOU.

AS YOU FELLOWS PROBABLY ALREADY HEARD, WE NOW HAVE TWO PL-1'S FLYING. THE SECOND FROM CANADA. IT WILL BE IN ROCKFORD IN 1968. ONE MORE NOTE- I HAVE SEVERAL REPORTS SAYING THEIR PL-1'S WILL BE IN ROCKFORD IN 1968. SOUNDS GOOD ANYWAY, DOES'T IT. WE HAVEN'T GIVEN UP HOPE YET. HAVE WE. IT MIGHT TAKE US LONGER TO FINISH, BUT I BELIEVE WE WILL HAVE THE BEST ALL AROUND PLANE TO BRAG ABOUT WHEN FINISHED, DON'T YOU.

AS FOR MY PROGRESS, I HAVE JUST COMPLETED ONE SET OF WING RIBS EXCEPT FOR LIGHTENING HOLES. DOES ANYONE HAVE A SET OF METAL DIES MADE UP FOR THIS.? I'M SURE I'LL NEED METAL INSTEAD OF WOOD FOR THE TEMPERED ALUMINUM. IT WOULD BE NICE IF SOMEONE HAD A SET AND DIDN'T MIND PASSING THEM AROUND. HOW ABOUT IT MACHINIST?

I'LL BE GLAD TO HAVE DIAGRAMS PRINTED AND WILL BE WILLING TO REVEAL MY SECRETS IF THERE SHOULD BE ENOUGH INTEREST FOR THIS. LET ME HEAR FROM YOU ON THIS. THIS CAN BE DONE BUT, IS A WHOLE LOT STIFFER THAN THE SOFT STUFF. IT SOLVES THE HEAT TREATMENT PROBLEM AND IS GOOD. I HAD ABOUT AN HOUR IN EACH RIB. THIS INCLUDES FORM BLOCK TIME MAKING PATTERN, FLANGING TIME. TAKE ABOUT 75 HRS. FOR A SET

IT HAS BEEN BROUGHT TO MY ATTENTION TO PRINT OUR NEWSLETTER ON 8X11 PAPER SO IT WILL FIT IN A STANDARD SIZE NOTE BOOK. SO I'LL DO.

THAT JUST ABOUT DOES IT FOR THIS TIME. KEEP THE HINTS AND SUGGESTIONS COMING IN. THE MORE WE GET, THE BETTER THE LETTER. SO LONG FOR NOW.

SINCERELY,

J.D. WALLER