



MAIN GEAR HYDRAULIC CYLINDER
MG02-112

| REVISIONS | | | | |
|-----------|------|------------------|----|------|
| E.C. NO. | REV. | DESCRIPTION | BY | DATE |
| | A | DRAWING RELEASED | CE | 1/04 |
| 0961 | B | UPDATED DRAWING | SH | 6/09 |
| 1153 | C | UPDATED NOTES | BH | 1/13 |

NOTES:

- REFER TO DRAWING T51-06-INS-1520 FOR THE FORWARD PARKER HANNIFIN HYDRAULIC PUMP INSTALLATION & T51-06-INS-1521 FOR THE AFT INSTALLATION.
- REFER TO DRAWING T51-07-INS-1651 FOR LANDING GEAR SCHEMATIC FOR PARKER HANNIFIN PUMP.
- TO LOCATE THE HYDRAULIC MANIFOLD (MG08-249), MEASURE 4" LEFT FROM THE CENTER RIB WEB AND 3/4" FORWARD FROM THE TOP L.H. SPAR CAP.
- MATCH DRILL THE (4) HOLES FROM THE TOP OF THE MANIFOLD INTO THE TOP SKIN IN THIS AREA. (NOTE: HOLES MAY BE IN A DIFFERENT CONFIGURATION THAN PICTURED.)
- MOUNT THE MANIFOLD, USING THE (2) ϕ7/32" HOLES, WITH 10-32 X 5/16" SCREWS AND LOCTITE 242 (BLUE).
- RUN TWO LINES FORWARD THROUGH THE FORWARD SPAR. THESE GO TO THE PRESSURE GAUGE AND MANUAL DUMP VALVE (ALSO TO THE FORWARD MOUNTED HYDRAULIC PUMP, IF EQUIPPED).
- RUN TWO LINES LEFT THROUGH THE FIRST RIB TO THE LEFT MAIN GEAR HYDRAULIC CYLINDER. CONNECT TO THE CYLINDER WITH STAINLESS STEEL BRAIDED LINES.
- RUN TWO LINES RIGHT THROUGH THE LAST LIGHTENING HOLE IN THE CENTER RIB WEB OVER TO AND THROUGH THE FIRST RIB TO THE RIGHT MAIN GEAR HYDRAULIC CYLINDER. CONNECT TO THE CYLINDER WITH STAINLESS STEEL BRAIDED LINES.
- USE AN960-716 WASHERS ON EITHER SIDE OF THE BULKHEAD FITTINGS.
- RUN TWO LINES UP THROUGH THE FLOOR USING THE HOLES YOU DRILLED BEFORE AND BACK TO THE TAILWHEEL CYLINDER (ALSO THE AFT MOUNTED HYDRAULIC PUMP, IF EQUIPPED).

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

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| DETAIL NAME MAIN LANDING GEAR HYDRAULIC LINE INSTRUCTIONAL | | | |
| DRAWN C. EMERY | DATE 1/06/04 | SCALE N/A | PART NO. |
| CHECKED K. BROOKS | DATE 1/17/13 | ASSEMBLY NAME | |
| APPROVED B. KOLENO | DATE 2/18/13 | PART NO. | DRAWING NO. H9 |
| | | DRAWING NO. B T51-04-INS-0994-C | |