

REVISIONS

E.C. NO.	REV.	DESCRIPTION	BY	DATE
	A	DRAWING RELEASED	CE	01/04
1067	B	UPDATED DRAWING	BH	6/10

NOTES:

- MOUNT RESERVOIR FOR HYDRAULIC BRAKES ON THE FORWARD SIDE OF THE BULKHEAD AT STATION 3.
- WHEN RUNNING HYDRAULIC BRAKE LINES, MAKE SURE TO PROVIDE ENOUGH EXTRA LENGTH TO ALLOW PEDAL ADJUSTMENT.
- RUN A HYDRAULIC BRAKE LINE FROM RESERVOIR THROUGH THE BULKHEAD INTO THE COCKPIT.
- USING A TEE, SPLIT THE HYDRAULIC BRAKE LINE FROM THE RESERVOIR INTO TWO LINES. RUN THE LINES INTO THE TOP FITTING ON BOTH FRONT MASTER CYLINDERS. MAKE SURE THERE IS A SERVICE LOOP TO ALLOW THE FRONT RUDDER PEDAL CARRIAGE FREEDOM OF MOVEMENT.
- MAKE SURE TO FOLLOW THE CORRECT ROUTING INSTRUCTIONS BELOW FOR YOUR PEDAL ARRANGEMENT.
- SEE DRAWINGS T51-04-INS-1007, T51-04-INS-1055, T51-04-INS-1074, T51-04-INS-1086, AND T51-10-INS-1878 FOR ALL THE HYDRAULIC BRAKE LINE INSTRUCTIONALS.
- WHEN FILLING THE RESERVOIR, YOU CAN USE DOT 5 AUTO BRAKE FLUID, MIL-L-5606 HYDRAULIC FLUID, OR ANY PETROLEUM BASED TRANSMISSION FLUID.
- DOT 3, DOT 4, DOT 5.1, OR ANY GLYCOL BASED FLUID WILL DAMAGE THE MATCO MASTER CYLINDERS.

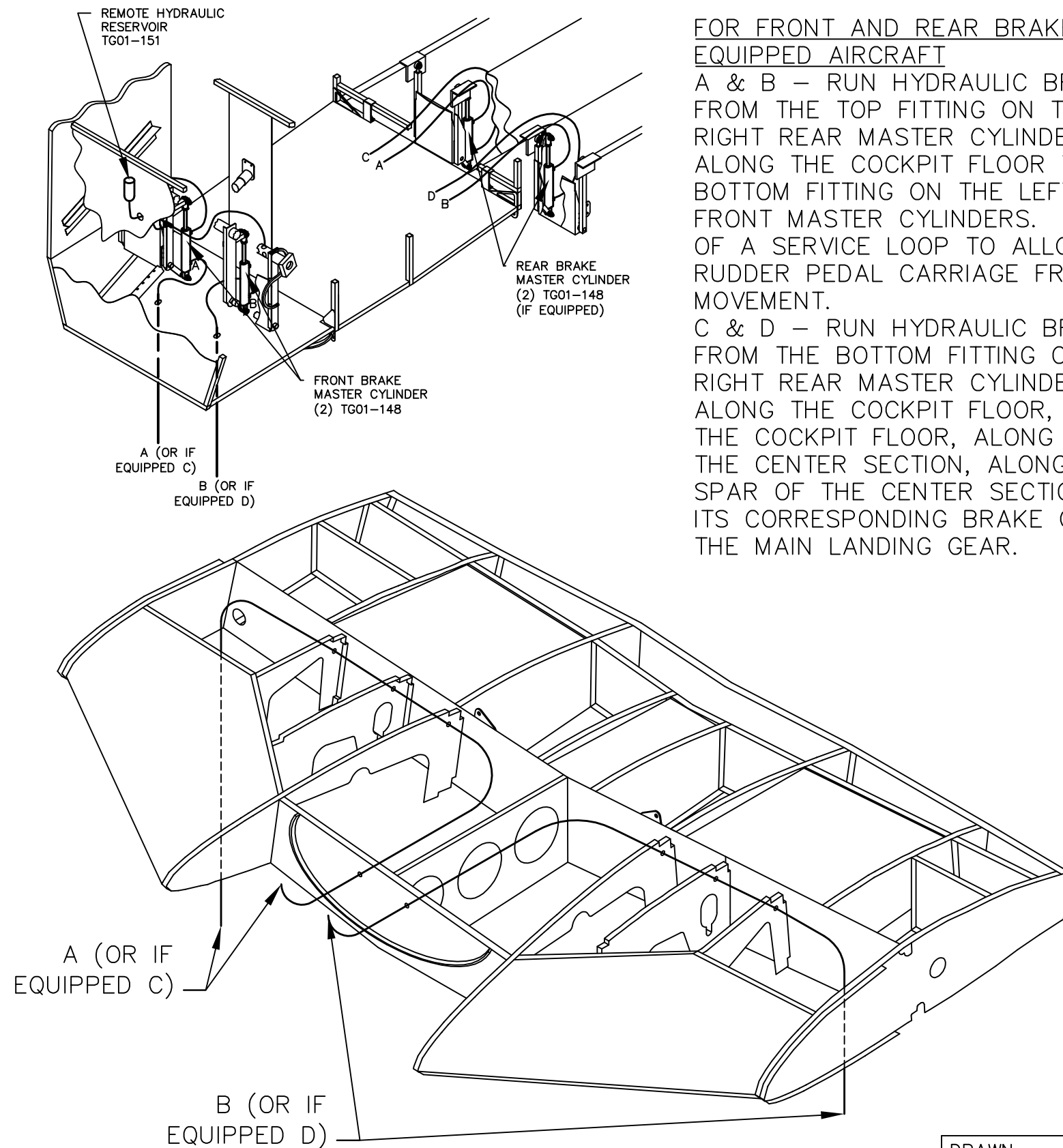
FOR FRONT BRAKE PEDAL EQUIPPED AIRCRAFT

A & B - RUN HYDRAULIC BRAKE LINES FROM THE BOTTOM FITTING ON THE LEFT & RIGHT FRONT MASTER CYLINDERS THRU THE COCKPIT FLOOR, ALONG TOP SKIN OF THE CENTER SECTION, ALONG THE MAIN SPAR OF THE CENTER SECTION, DOWN TO ITS CORRESPONDING BRAKE CALIPER ON THE MAIN LANDING GEAR.

FOR FRONT AND REAR BRAKE PEDAL EQUIPPED AIRCRAFT

A & B - RUN HYDRAULIC BRAKE LINES FROM THE TOP FITTING ON THE LEFT & RIGHT REAR MASTER CYLINDERS FORWARD ALONG THE COCKPIT FLOOR TO THE BOTTOM FITTING ON THE LEFT & RIGHT FRONT MASTER CYLINDERS. MAKE SURE OF A SERVICE LOOP TO ALLOW THE REAR RUDDER PEDAL CARRIAGE FREEDOM OF MOVEMENT.

C & D - RUN HYDRAULIC BRAKE LINES FROM THE BOTTOM FITTING ON THE LEFT & RIGHT REAR MASTER CYLINDERS FORWARD ALONG THE COCKPIT FLOOR, THEN THRU THE COCKPIT FLOOR, ALONG TOP SKIN OF THE CENTER SECTION, ALONG THE MAIN SPAR OF THE CENTER SECTION, DOWN TO ITS CORRESPONDING BRAKE CALIPER ON THE MAIN LANDING GEAR.



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

DETAIL NAME HYDRAULIC BRAKE LINE INSTRUCTIONAL	
SCALE 1/16"=1"	PART NO.
ASSEMBLY NAME	
PART NO.	DRAWING NO. H2
DRAWING NO. <b>B T51-04-INS-1006-B</b>	

DRAWN C. EMERY	DATE 1/16/04
CHECKED R. INGLE	DATE 7/15/10
APPROVED K. BROOKS	DATE 7/19/10

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