

# FORM B - AIRCRAFT WEIGHING RECORD

FOR USE WITH T.O. 1-1B-40, NAVAIR  
01-1B-40 AND TM-55-1500-342-23

Form Approved OMB No.  
0704-0188  
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The public reporting burden for this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. **PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ORGANIZATION.**

DATE WEIGHED (YYYYMMDD)		MODEL/DESIGN/SERIES		SERIAL NUMBER	
PLACE WEIGHED		WEIGHT AND BALANCE TECHNICIAN (Last, First, M.I.)		DUTY PHONE NO.	
REACTION (Wheels, jackpoints, etc.)	SCALE READING	CORRECTIONS	NET WEIGHT	ARM	MOMENT
LEFT MAIN					
RIGHT MAIN					
SUB-TOTAL (Both main)				E	
NOSE OR TAIL				F	
<b>TOTAL</b> (as weighed) <i>Not to be posted on Chart C</i>					

## MEASUREMENTS

B = \_\_\_\_\_ the distance from the jig point, to the center line of the main reactions. Obtain by measurement.

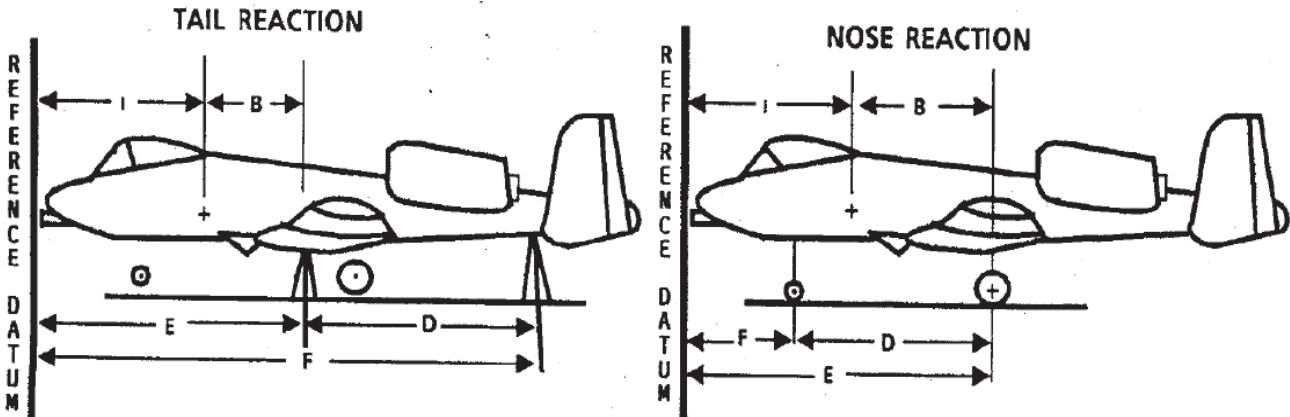
I = \_\_\_\_\_ the distance from the reference datum to the jig point of the aircraft, from which a plumb bob can be dropped to the ground. Obtain from the aircraft diagram in Chart E.

E = \_\_\_\_\_ <sup>1</sup> the distance from the reference datum to the center line of the main reactions.  
E = I+B  
E = I - B (If the jig point is aft of the center line of the main reactions.)

D = \_\_\_\_\_ the distance between the main and nose or tail reaction. Obtain by measurement.

F = \_\_\_\_\_ <sup>1</sup> the distance from the reference datum to the center line of the nose or tail reaction.  
F = E - D (for nose reaction)  
F = E+D (for tail reaction)

	LEFT MAIN	RIGHT MAIN	NOSE OR TAIL
CALB CORR			
SCALE CORR			
TEMP _____ <sup>2</sup>			
EQUIP			
OTHER			
<b>TOTAL</b>			



**DIAGRAMS FOR MEASURING VARIOUS TYPES OF REACTIONS TO DETERMINE ARM OF SUPPORT POINTS.**  
See Aircraft Chart E's for specific weighing instructions.

<sup>1</sup> Check dimensions E and F against approximate dimensions listed on Chart E.  
<sup>2</sup> Enter temperature at time of weighing.

DESCRIPTION		NET WEIGHT		ARM	MOMENT		<sup>1</sup> INDEX OR MOM/
<b>TOTAL (As weighed)</b> <i>(From front side)</i>							
TOTAL OF ITEMS WEIGHED BUT NOT PART OF BASIC WEIGHED <i>(From Column I below)</i>		-			-		
TOTAL OF BASIC WEIGHT ITEMS NOT IN AIRCRAFT WHEN WEIGHED <i>(From Column II below)</i>		+			+		
BASIC AIRCRAFT <i>(Post to Chart C)</i>							
<b>COLUMN I</b>				<b>COLUMN II</b>			
ITEMS WEIGHED BUT NOT PART OF BASIC WEIGHT	WEIGHT	ARM	MOMENT	ITEMS WEIGHED BUT NOT PART OF BASIC WEIGHT	WEIGHT	ARM	MOMENT
<b>TOTAL</b>					<b>TOTAL</b>		
REACTIONS USED				TYPE SCALE _____			
				SERIAL NUMBER _____			
				CALIBRATION DATE (YYYYMMDD) _____			
				CALIBRATED ACCURACY _____			
REMARKS							

<sup>1</sup> Enter constant used