

# Glider Compass Calibration Log

Aircraft Type: \_\_\_\_\_ Aircraft Serial No: \_\_\_\_\_ SNOW: \_\_\_\_\_ Sheet No: \_\_\_\_\_

Variation: \_\_\_\_\_

Place of Swing: \_\_\_\_\_

Reason for Swing: \_\_\_\_\_

Wind Speed: \_\_\_\_\_

IC Swing: \_\_\_\_\_

Standard Swing						Calibration Swing					
Approx Heading	Datum Heading	Compass Heading		Deviation		Approx Heading	Datum Heading	Compass Heading		Deviation	
		Front	Rear	Front	Rear			Front	Rear	Front	Rear
<b>N</b>						<b>N</b>					
<b>E</b>						<b>45</b>					
<b>S</b>						<b>E</b>					
<b>W</b>						<b>135</b>					
<b>Residual Coefficients:</b>  $B = \frac{\text{Dev E} - \text{Dev W}}{2}$  $C = \frac{\text{Dev N} - \text{Dev S}}{2}$				<hr style="width: 50px; margin: 0 auto;"/>	<hr style="width: 50px; margin: 0 auto;"/>	<b>S</b>					
				2	2	<b>225</b>					
				<hr style="width: 50px; margin: 0 auto;"/>	<hr style="width: 50px; margin: 0 auto;"/>	<b>W</b>					
				2	2	<b>315</b>					
Coefficient B				<b>Note:</b> Datum headings Obtained from Medium Landing Compass							
Make Compass Read				Coefficient A = $\frac{\text{Total Dev}}{4}$							
Coefficient C				To remove + A: Turn Lubber Line or Detector Unit Clockwise							
Make Compass Read				To remove -A : Turn Lubber Line or Detector Unit Anti-Clockwise							

**To Correct large errors:** Turn on to North. Adjust Compass to read North.  
 Turn on to East. Adjust E/W to read East.  
 Turn on to South. Note error, adjust N/S to read 1/2 Error.  
 Turn on to West. Note error, adjust E/W to read 1/2 Error.

See over for Instructions for Use

# Instructions For Use

## Glider Compass Calibration Log - MOD Form 712A(Gliders)

### **Requirement for Compass Swings**

1. The requirement for standard compass swings is detailed in MAM-P Chapter 6.5. A standard compass swing is to be carried out when the compass error is greater than the allowable error defined in the Aircraft Maintenance Manual (AMM).

### **Authorizations**

2. Supervisors of Aircraft compass adjustment are to be authorized as detailed in MAM-P Chapter 6.5.

### **Compass Swing Procedure**

3. The procedure for compass swings is contained in either the AMM or the Topic 2(R)1.

### **Compass Base**

4. Standard or calibration swings are to be carried out on either a Class 1 or Class 2 compass base or, where this is not practicable, a compass base authorized in the individual Defence Aerodrome Manual (DAM).