

R. A. F. FORM. 2722

FLIGHT ENGINEERS
LOG COVER



FRONT GUNNER'S CHECK FOR GROUND TEST, M.F.T. OR
PRE-FLIGHT TEST

BEFORE FLIGHT

1. Flying clothing O.K.
2. Guns harmonised - turret perspex clean.
3. Stowage of portable oxygen bottle with extension adaptor and hose.
4. Stowage of parachute - fire extinguisher - flying rations.
5. Recuperator spindle at correct height 4".
6. Two spare bulbs tested in reflector sight.
7. Intercom. and oxygen ON and plugged in.
8. Hand rotation gear serviceable.
9. Turret for rotation etc. with engines running.
10. Leaks in hydraulic system.
11. Stand-by for Pilot's call and report "Intercom.-oxygen - call lights O.K. Equipment O.K. by check list".

DURING TEST FLIGHT

1. Intercom., oxygen and call-light check during turret rotation.
2. Firing gear and action of guns with guns on "SAFE".
3. Check all fuses.
4. Leaks in hydraulic system.
5. Stand-by for Pilot's call and report "O.P. by check list".

AFTER LANDING

1. Check recuperator spindle.
2. Guns on "SAFE" and unloaded.
3. All switches OFF.
4. Turret central and locked.
5. Report all defects to Captain, sign F.700.

NOTE: IN ABSENCE OF FRONT GUNNER, AIR BORER IS TO CARRY OUT THIS CHECK BEFORE CHECKING HIS OWN EQUIPMENT.

approx. with pilot's altimeter.

AFTER LANDING

1. Check all switches and lights OFF.
2. Report defects to Capt. and Bombing Leader.
3. Sign F.700.

SIGHTING ANGLE CHECK TABLE
DESIGNATED HEIGHT

I.L.S.	2,000	5,000	10,000
128 mph.	47.7	36	25.1
150 mph.	51.8	40	28.7
180 mph.	56.7	45.2	31.6
230 mph.	62.8	52.2	36.5
276 mph.	67.1	57.4	39.1

D 39115-1 500 D/S 7057 6/44 P 1 0

C

- (a) Damage due to enemy action.
- (e) Difficulties experienced in the air.
- (f) Repairs carried out in flight.
- (g) Any other comments.

Remarks by the Flight Engineer Leader.

He is to comment on the Log in general, and state whether it is satisfactory or unsatisfactory, and what action has been taken in the event of an unsatisfactory Log being returned.

BOMBER COMMAND FLIGHT ENGINEER LOG.

A TO BE COMPLETED BEFORE FLIGHT:-

CAPTAIN:- F/L WAINSS	F/ENGINEER:- F/S ANSELM	BOMB LOAD:- 3,400 lbs	TOTAL FUEL:- 2134 gls	A.U.W.:- 59,409 lbs
DATE:- 10/4/46	AIRCRAFT TYPE:- LANCASTER	Mk. 3	AIRCRAFT N°:- ME 534	LETTER:- CL Y

B CHECK BEFORE FLIGHT:-

ITEM	INITIALS	ITEM	INITIALS
PITOT HEAD COVER OFF	MA	ESCAPE HATCHES SECURE	MA
STATIC VENT PLUGS OUT	MA	CONTROLS UNLOCKED	MA
NITROGEN SYSTEM ON	MA	AUTO-CONTROLS (CLUTCHES IN)	MA
SUPERCHARGER 'M' GEAR	MA	D.R. COMPASS ON	MA
AIR INTAKES (COLD)	MA	GILL OR RAD. POSITION OPEN OR CLOSED	MA
BRAKE PRESSURE BEFORE 'CHOCKS AWAY'	10 Lbs/s	BRAKE PRESSURE AFTER LANDING	2 Lbs/s

C TO BE COMPLETED AFTER FLIGHT:-

TIME TO NEAREST MINUTE OF :-			
START UP	Hrs.	SWITCH OFF	Hrs.
TAKE - OFF	Hrs.	TOUCH DOWN	Hrs.
SET COURSE	Hrs.	OVER BASE	Hrs.
TARGET:-		SQUADRON:-	

D FUEL ANALYSIS:-

ITEM	FUEL USED	FUEL LEFT	AIR MILES	TRACK MILES	A.M.P.G.	T.M.P.G.	G.P.H.
F/ENGINEER	Gls.	Gls.					
F/ENGINEER LDR	Gls.	Gls.					

E REMARKS:- BY F/ENGINEER.

REMARKS:- BY F/ENGINEER LDR.

LOG COMPLETE:- F/ENGINEER

LOG CHECKED:- F/ENGINEER LDR.

FLIGHT LOG

[illegible]

OF FLIGHT OR ENGINE CONDITIONS AND AT 30 MIN. INTERVALS.

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1. Entries to be made at every change of flight or engine conditions, and at 30 minute intervals.

2. *Auto Controls*.—When they are in use, a diagonal line is drawn in the appropriate space, and the position of the control cock entered on top of the diagonal line, and the time of selection entered below.

3. *Air Mileage*.—Only to be entered when the air mileage indicator is fitted.

4. *Remarks Column*.—The following are to be entered :—

(a) Oxygen time "on" and "off" to be entered on left-hand side of column.

(b) All damage apparent in flight.

(c) Airframe and engine peculiarities.

(d) Any other remarks.

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Petrol Log.

(a) The fuel state is to be recorded in the numbered columns hourly and whenever a tank is turned "on" or "off."

(b) A diagonal line is drawn when a tank is turned "on."

(c) A reverse diagonal line is added to form a cross when the tank is empty.

(d) The calculated tank contents are recorded above the diagonal line when each check is made.

R.F.B.						R.F.H.					
Boost	2570	2770	2970	2570	3000	Boost	2570	2500	2400	2002	1000
+ 4	222	226	240	254	261	+ 4	212	205	201	196	191
+ 5	254	258	262	276	283	+ 5	202	195	191	186	181
+ 6	318	322	346	362	367	+ 6	192	186	181	176	171
+ 7	372	386	400	414	421	+ 7	177	172	170	166	162
+ 8	376	390	404	418	425	+ 8	166	164	160	156	151
+ 9	382	396	410	424	431	+ 9	154	151	147	143	139
+10	390	404	418	432	439	+10	144	140	136	133	129
+11	396	410	424	438	445	+11	132	128	125	121	117
+12	400	414	428	442	450	+12	120	117	114	111	107

RI OR MIXTURE.

W.K. MIXTURE.

