

POWER SETTING TABLE — LYCOMING IO-540K ENGINE

PRESS. ALT. FEET	STD. ALT. TEMP. °C	55% POWER						65% POWER					75% POWER				
		RPM	2200	2300	2400	2500	2600	2200	2300	2400	2500	2600	2200	2300	2400	2500	2600
		MANIFOLD PRESSURE — INCHES MERCURY															
S.L.	15		22.9	22.1	21.6	21.1	20.7	25.8	24.8	24.0	23.5	23.1	28.2	27.1	26.4	25.7	25.1
1000	13		22.5	21.8	21.3	20.7	20.4	25.3	24.4	23.7	23.1	22.7	27.6	26.6	25.9	25.3	24.8
2000	11		22.1	21.4	21.0	20.5	20.1	24.8	24.0	23.3	22.8	22.4	27.0	26.2	25.5	25.0	24.5
3000	9		21.8	21.1	20.7	20.2	19.8	24.3	23.6	23.0	22.4	22.1	26.5	25.8	25.2	24.7	24.2
4000	7		21.5	20.8	20.4	20.0	19.5	23.8	23.3	22.6	22.1	21.8	—	25.5	24.8	24.4	24.0
5000	5		21.2	20.5	20.1	19.7	19.3	23.4	22.9	22.3	21.8	21.5	—	—	24.6	24.1	23.7
6000	3		20.8	20.3	19.9	19.4	19.0	23.0	22.5	22.0	21.5	21.2	—	—	—	23.9	23.5
7000	1		20.5	20.0	19.6	19.1	18.8	22.6	22.2	21.7	21.2	20.9	—	—	—	—	23.3
8000	-1		20.2	19.7	19.3	18.9	18.5	22.2	21.8	21.4	20.9	20.6					
9000	-3		19.9	19.5	19.1	18.6	18.3	—	—	21.1	20.6	20.3					
10000	-5		19.6	19.2	18.8	18.4	18.0	—	—	—	20.3	20.0					
11000	-7		19.3	19.0	18.6	18.2	17.8	—	—	—	—	19.7					
17000	-9		—	18.7	18.4	17.9	17.6										
13000	-11		—	—	—	17.7	17.4										
14000	-13		—	—	—	—	17.2										

APPROXIMATE FUEL FLOW

55% Power	11.9 GPH
65% Power	13.8 GPH
75% Power	16.0 GPH

To maintain constant power, correct manifold pressure approximately 0.15" Hg for each 5°C variation in induction air temperature from standard altitude temperature. Add manifold pressure for air temperature above standard; subtract for temperature below standard.

NOTE: Full throttle manifold pressure values may not be obtainable when atmospheric conditions are non-standard.

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Figure 5-25