

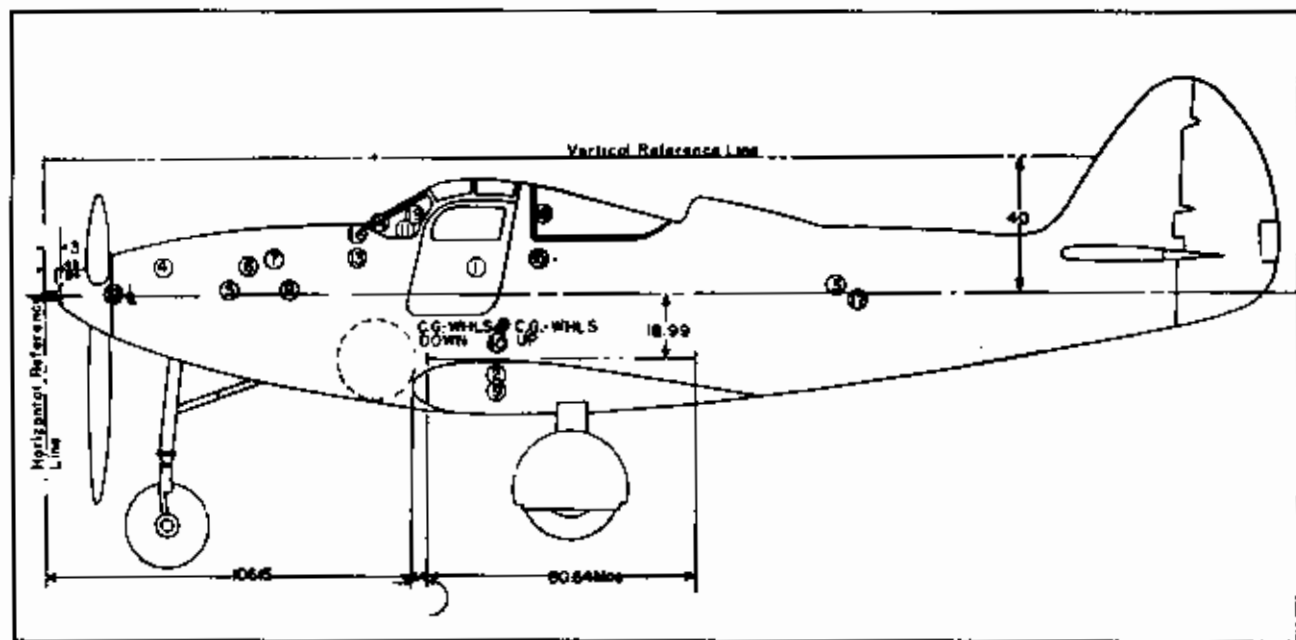
| Pilot's IAS | Approximate True Air Speed | | | |
|----------------|----------------------------|--------|--------|--------|
| | 5,000 | 10,000 | 15,000 | 20,000 |
| 150 | 165 | 180 | 190 | 210 |
| 200 | 220 | 240 | 260 | 280 |
| 250 | 270 | 300 | 320 | 350 |
| 300 | 330 | 380 | 390 | 415 |
| 350 | 390 | 420 | 450 | 480 |

the INSTRUCTIONS FOR USING CHART printed on each chart.

IMPORTANT

The above instructions and following charts do not take into account the effect of wind. Adjustments to range values and flight duration to allow for wind may be made by any method familiar to the pilot such as by the use of a flight calculator or a navigator's triangle of velocities.

(5) The flight plan may be readily changed at any time enroute, and the chart will show the balance of range available at various cruising powers by following



| P-51-1-3E NORMAL GROSS WEIGHT | | | | | | | | | | | | | |
|----------------------------------|-----------------------------|--------|----------------|--------------|-------------------|-----------------|-----|----------------------------|--------|----------------|--------------|-------------------|-----------------|
| NO. | ITEM | WEIGHT | HORIZONTAL ARM | VERTICAL ARM | HORIZONTAL MOMENT | VERTICAL MOMENT | NO. | ITEM | WEIGHT | HORIZONTAL ARM | VERTICAL ARM | HORIZONTAL MOMENT | VERTICAL MOMENT |
| 1. | PILOT AND COPIE | 300.0 | 125 | 34 | 25000 | 6900 | 14. | ARMOR PLATE-WIND-SHIELD | 8.2 | 85 | 18 | 779 | 148 |
| 2. | FUEL (57 GAL.) | 622.0 | 194 | 62 | 66848 | 32364 | 15. | ARMOR PLATE-TURNOVER | 15.8 | 142 | 30 | 2244 | 874 |
| 3. | OIL ENGINE (6.2 GAL) | 46.5 | 238 | 38 | 11067 | 1797 | 16. | ARMOR PLATE-INST. BOARD | 2.8 | 90 | 22 | 252 | 82 |
| 4. | OIL BEAR BOX (2 GAL) | 15.0 | 38 | 32 | 670 | 800 | 17. | ARMOR PLATE-OIL TANK | 28.0 | 248 | 42 | 7182 | 1218 |
| 5. | 37MM INSTALLATION | 288.4 | 87 | 29 | 13644 | 9247 | 18. | ARMOR PLATE-AFT CABIN | 18.2 | 148 | 18 | 2688 | 328 |
| 6. | 37MM AMMUNITION | 80.0 | 67 | 31 | 4020 | 1850 | 19. | ARMOR GLASS-WIND-SHIELD | 21.7 | 104 | 16 | 2268 | 304 |
| 7. | 50 CAL. INSTALLATION (FUEL) | 151.7 | 78 | 28 | 11782 | 9831 | | USEFUL LOAD | 1886.4 | 111.18 | 46.88 | 208728 | 87828 |
| 8. | 50 CAL. AMMUNITION | 124.0 | 80 | 30 | 9920 | 8800 | | WEIGHT EMPTY (WHEELS DOWN) | 6883.6 | | | 801227 | 287628 |
| 9. | 50 CAL. INSTALLATION (WIND) | 145.0 | 124 | 36 | 18000 | 8425 | | GROSS WEIGHT (WHEELS DOWN) | 7570.0 | 138.56 | 48.56 | 811053 | 376322 |
| 10. | 50 CAL. AMMUNITION | 188.0 | 132 | 55 | 24738 | 10230 | | LANDING BEAR UP | | | | +4888 | -8085 |
| 11. | 6MM SIGHT INSTALLATION | 4.4 | 107 | 19 | 480 | 34 | | GROSS WEIGHT (WHEELS UP) | 7570.0 | 138.22 | 48.56 | 810062 | 367257 |
| 12. | ARMOR PLATE-BEAR BOX | 70.7 | 21 | 40 | 1485 | 2828 | | | | | | | |
| 13. | ARMOR PLATE-FUSE | 27.0 | 80 | 28 | 2160 | 783 | | | | | | | |