

**ERRATA: Airplane Design Part V**

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Please check the website [www.darcorp.com](http://www.darcorp.com) for updated errata

- page 43, Line 21* Should read ‘This corresponds to 473 kts at 35,000 ft or a dynamic pressure of 235 psf. At sea level, the corresponding value in KEAS is 263 kts. Since this is larger than 238 kts,  $V_C = 263$  kts.’
- page 43, Line 27* Should read ‘ $V_D = 1.25 \times V_C = 1.25 \times 263 = 329$  kts.’
- page 54, Line 8* ‘ $V_C = 295$  kts’ should be ‘ $V_C = 263$  kts’
- page 54, Line 8* ‘ $V_D = 369$  kts’ should be ‘ $V_D = 329$  kts’
- page 61, Line 3* ‘Part III’ should be ‘Part IV’
- page 74, Equation (5.20)* Should read:
- $$W_v = K_v S_v \left[ 3.81 \frac{\left\{ (S_v)^{0.2} V_D \right\}}{\left\{ 1,000 (\cos \Lambda_{1/2_v})^{1/2} \right\}} - 0.287 \right]$$
- page 89, Equation (6.13)* Should read:
- $$W_{per\ prop} = K_{prop1} (N_{bl})^{0.391} \left\{ \frac{(D_p) (P_{TO_{per\ prop}})}{1,000} \right\}^{0.782}$$
- page 90, Line 2* Remove Line 2
- page 90, Line 5* Should read ‘ $P_{TO_{per\ prop}}$  is the required take-off power per propeller’
- page 90, Line 6* Remove Line 6
- page 90, Equation (6.14)* Should read:
- $$W_{per\ prop} = K_{prop2} \left\{ D_p P_{TO_{per\ prop}} (N_{bl})^{1/2} \right\}^{0.782}$$

*page 91, Line 6*

Should read '= 6.55 lbs/gal for JP-4'

*page 123, Line 20*

Should read 'Note: These books are all published by:  
Design, Analysis and Research Corporation, 1440  
Wakarusa Drive, Suite 500, Lawrence, KS, 66049. Tel.  
(785) 832-0434'

*page 125, Line 10*

Should read '4. Agricultural airplanes: Table A4.1.'