Hibbler 12e Errata

Statics:

Chapter 1

Problem 1-17	Delete "in kilograms"	p. 15
Problem 1-18	Delete "to three significant figures"	p. 20

Chapter 2

Problem F2-12	Art: change "F_3 = 15 k" to "F_3 = 15 k N"	p. 38
Problem 2-61/62	Art: change to: F_1 = 600 N F_2 = 400 N	p. 52
Problem F2-24	Art: change label on "v" axis to "y"	p. 63
Problem F2-25	Art: add "y" to right axis	p. 74
Problems 2-105/106	Art: switch $\mathbf{F}_A$ and $\mathbf{F}_B$	p. 67
Answer F2-11	Change "800 lb" to "80 lb"	p. 603
Answer 2-74	Replace all with: $\alpha_1 = 45.9°$, $\beta_1 = 53.3°$, $\gamma_1 = 56.4°$	p. 622
Answer 2-75	Replace all with: $\alpha_1 = 90°$, $\beta_1 = 33.7°$, $\gamma_1 = 56.3°$	p. 622

Chapter 3

Problem F3-8	Art: Change "900 lb" to "900 N"	p. 101
Problem 3-43	Change *BAL* to *BAC*	p. 101
Problem 3-44	Change *BCA* to *BCE* Move A to the large cylinder in art	p. 108
ISM: Answer 3-37	Add "d = 12 tan 30.71º = 7.13 in."	

Chapter 4

Example 4.4	Solution: change 2nd line of equation: $\mathbf{r}_A \times \mathbf{F}_1 + \mathbf{r}_B \times \mathbf{F}_2$	p. 127
Problem 4-16	in figure "N_f" should be "N_t"	p. 134
Problem 4-17	After "F_A = 30 lb and" add "F_B = 50 lb"	p. 134
Problems F4-13/14	Delete "Express the results as a Cartesian vector." Art: add line from *O* to *A*	p. 144
Problem 4-116	Art: change "x" axis on left to "y"	p. 169
Answer 4-102	Change "224 N · m" to "224 lb · ft"	p. 627
ISM: Answer 4-52	change equation for unit vector from "$\mathbf{u}_{AF}$ =" to "$\mathbf{u}_{OD}$ ="	

Chapter 5

Problem F5-11	Make DB a link or a two force member	p. 252
Answer F5-9	- For $\Sigma M_z = 0$, delete the "–" after the "+" in second line - For $\Sigma F_x = 0$ change "$-A_x$" to "$+A_x$" Change "$A_x = 500$ N" to "$A_x = -500$ N"	p. 611

Chapter 6

Answer 6-123	Change "$B_x = D_x = 42.5$ N" to "$B_x = D_x = -70.75$ N"	p. 636
ISM: Answer 6-55	Second and third occurrences of "406.25" should be "424.26"	
ISM: Answer 6-123	next to last line, 1st term of equation should be: "$-B_x(0.6)$" not "$-B_y(0.6)$"	

Chapter 7

Answer F7-11	Change "Region $3 \le x < 3$ m" to "Region $0 \le x < 3$ m" Change "Region $0 < x \le 6$ m" to "Region $3 < x \le 6$ m"	p. 614
ISM: Answer 7-52	Eq. 2 should read "$M = \{275x - 2.083x^3\}$ lb · ft"	

Chapter 8

Figure 8-16(a)	Change "Mr" to "M/r"	p. 415
ISM: Answer 8-5	should read " 52.0º "	
ISM: Answer 8-71	the moment equation should read: "$400(0.45) + 0.3N_C\cos 15º(0.02) + 0.3N_C\sin 15º(0.3) - N_C\cos 15º(0.3) + N_C\sin 15º(0.02) = 0$	
ISM: Answer 8-142	Denominator "2(1.25)" in next to last line should be "2(1.25)(12)" Final answer should be "3.33 lb"	

Chapter 9

Answer 9-13	Replace all with: "$A = 2.177$ ft^2" "$\tilde{y} = \dfrac{(2.786 + y)}{2}$" "$\bar{y} = 2.04$ ft"	p. 643
Answer 9-113	Replace "$N_C = 13.1$ kN" with "$L = 2.31$ m	p. 645
Answer 9-114	Replace "$L = 2.31$ m" with "$N_C = 13.1$ kN"	p. 645
ISM: Answer 9-60	All 4 occurrences of "$(-\pi(1)^2/4)$" should be "$(-\pi(1)^2)$"	

Chapter 10

Answer F10-7	Change "$= 69.8\ (10^6)$ mm ^{4}" to "$= 27.0\ (10^6)$ mm ^{4}"	p. 617
Answer F10-8	Change "$(105 - 65)^2$" to "$(105 - 60)^2$" [4th line]	p. 617