

Hudson & Essex Transmission and Rear Axle Ratios 1926-1932

		Transmission Ratios		Rear Axle Ratios	
Year		Hudson	Essex	Hudson	Essex
1926	Speeds	3 Fwd, 1 Rev.	3 Fwd, 1 Rev		
	Low	3.04 to 1	3.244 to 1	4-5/11 to 1	5.6 to 1
	Second	1.81 to 1	1.961 to 1		
	Third	1 to 1	1 to 1		
Reverse	3.69 to 1	4.170 to 1			
1927	Speeds	3 Fwd, 1 Rev.	3 Fwd, 1 Rev.		
	Low	3.04 to 1	3.244 to 1	4-5/11 to 1	5.6 to 1
	Second	1.81 to 1	1.961 to 1		
	High	1 to 1	1 to 1		
Reverse	3.69 to 1	4.170 to 1			
1928	Speeds	3 Fwd, 1 Rev.	3 Fwd, 1 Rev.		
	Low	3.04 to 1	3.244 to 1	4-5/11 to 1	5.4 to 1
	Second	1.81 to 1	1.961 to 1		
	High	1 to 1	1 to 1		
Reverse	3.69 to 1	4.170 to 1			
1929	Speeds	3 Fwd, 1 Rev.	3 Fwd, 1 Rev.		
	Low	3.04 to 1	3.244 to 1	4-5/12 & 4-1/13 to 1	5-6/10 or 5-1/11
	Second	1.81 to 1	1.961 to 1		
	High	1 to 1	1 to 1		
Reverse	3.69 to 1	4.170 to 1			
1930	Speeds	3 Fwd, 1 Rev.	3 Fwd, 1 Rev.		Roadster, Phaeton, Coupe – 5-1/10 to 1
	Low	3.244 to 1	3.244 to 1	4-7/11 & 4-3/11 to 1	Coach, Standard Sedan, Sun Sedan, Brougham, Touring Sedan – 5-4/10 to 1
	Second	1.961 to 1	1.961 to 1		
	High	1 to 1	1 to 1		
Reverse	4.170 to 1	4.170 to 1			
1931 (Effective Dec. 1930)		3 forward 1 rev.	3 Fwd, 1 Rev.		
		2.921 to 1	3.244 to 1	(4-3/11, 4-7/1 and 5-1/10 to 1)	5-1/10 to 1 or 5-1/10
		1.924 to 1	1.961 to 1		
		1 to 1	1 to 1		
	3.461 to 1	4.170 to 1			
1931 (Effective Jan. 1931) (Essex Only)	Speeds		3 Fwd, 1 Rev.		
	Low		2.921 to 1		5-4/10 or 5-1/10
	Second		1.924 to 1		
	High		1 to 1		
Reverse		3.469 to 1			
1932	Speeds	3 Fwd, 1 Rev.	3 Fwd, 1 Rev.		
	Low	2.44 to 1	2.44 to 1	119" W.B. and 126" W.B.—4.63 to 1	4.63 to 1
	Second	1.62 to 1	1.62 to 1		
	High	1 to 1	1 to 1	132" W.B.—5.1 to 1	
Reverse	3.26 to 1	3.26 to 1			

Hudson & Essex Transmission and Rear Axle Ratios 1933-1939

		Transmission Ratios		Rear Axle Ratios	
Year		Hudson 6 & 8	Essex-Terraplane 6 & 8	Hudson 6 & 8	Essex-Terraplane
1933	Speeds	3 Fwd, 1 Rev.	3 Fwd, 1 Rev.		
	Low	2.44 to 1	2.42 to 1	4.64 to 1	4.11 to 1
	Second	1.62 to 1	1.61 to 1		
	Third	1 to 1	1 to 1		
	Reverse	3.30 to 1	3.30 to 1		
Year		Hudson (8 Cyl. only in 1934)	Terraplane 6	Hudson (8 Cyl. only in 1934)	Terraplane 6
1934	Speeds	3 Fwd, 1 Rev	3 Fwd, 1 Rev		
	Low	2.42 to 1	2.42 to 1	4.11 to 1	4.11 to 1
	Second	1.61 to 1	1.61 to 1		
	High	1 to 1	1 to 1		
	Reverse	3.30 to 1	3.30 to 1		
1935	Speeds	3 Fwd, 1 Rev	3 Fwd, 1 Rev		
	Low	2.42 to 1	2.42 to 1	4.11 to 1 (Std.) 4.56 to 1 (Opt.)	4.11 to 1 (Std.) 4.56 to 1 (Opt.)
	Second	1.61 to 1	1.61 to 1		
	High	1 to 1	1 to 1		
	Reverse	3.30 to 1	3.30 to 1		
1936	Speeds	3 Fwd, 1 Rev	3 Fwd, 1 Rev		
	Low	2.42 to 1	2.42 to 1	4.11 to 1 (Std.) 4.56 to 1 (Opt.)	4.11 to 1 (Std.) 4.56 to 1 (Opt.)
	Second	1.61 to 1	1.61 to 1		
	High	1 to 1	1 to 1		
	Reverse	2.99 to 1	2.99 to 1		
1937	Speeds	3 Fwd, 1 Rev	3 Fwd, 1 Rev	4.11 to 1 (Std.) 4.56 to 1 (Opt.)	4.11 to 1 (Std.) 4.56 to 1 (Opt.)
	Low	2.42 to 1	2.42 to 1	<u>Special Order</u> 3.99 to 1 (Six Cyl.) 3.56 to 1 (Eight Cyl.)	<u>Special Order</u> 3.99 to 1 (Six Cyl.)
	Second	1.61 to 1	1.61 to 1		
	High	1 to 1	1 to 1		
	Reverse	2.99 to 1	2.99 to 1		
1938	Speeds	3 Fwd, 1 Rev	3 Fwd, 1 Rev	4-1/9 to 1 (Std.) 4-5/9 to 1 (Opt.)	
	Low	2.42 to 1	2.42 to 1	<u>Terraplane Comm.</u> 4-5/9 to 1 (Std.) 4-1/9 to 1 (Opt.)	
	Second	1.61 to 1	1.61 to 1		
	High	1 to 1	1 to 1		
	Reverse	2.99 to 1	2.99 to 1		
Year		All Hudson Models		All Hudson Models	
1939	Speeds	3 Fwd, 1 Rev			
	Low	2.42 to 1		4-1/9 to 1 (Std.) 4-5/9 to 1 (Opt.)	
	Second	1.61 to 1			
	High	1 to 1			
	Reverse	2.99 to 1			