

Manual Transmission Gear Ratios

T-10 FOUR-SPEED

Type	First Gear	Second Gear	Third Gear	Fourth Gear	Fifth Gear	Sixth Gear
A-code	2.54	1.92	1.51	1.00	_____	_____
C, F-code	2.20	1.64	1.31	1.00	_____	_____
D, E, G-code	2.54	1.89	1.51	1.00	_____	_____

SUPER T-10 FOUR-SPEED

P-code (wide ratio)	2.43	1.76	1.47	1.00	_____	_____
S-code (close ratio)	2.43	1.61	1.23	1.00	_____	_____
U-code	3.44	2.28	1.46	1.00	_____	_____
V-code	2.23	1.77	1.35	1.00	_____	_____
W-code	2.64	1.75	1.34	1.00	_____	_____
X-code	2.64	1.61	1.23	1.00	_____	_____
Y-code	2.88	1.74	1.33	1.00	_____	_____
Z-code	3.42	2.26	1.46	1.00	_____	_____
AA-code	3.29	1.72	1.00	1.00	_____	_____
BB-code	4.17	2.26	1.46	1.00	_____	_____
CC-code	2.88	1.91	1.33	1.00	_____	_____

MUNCIE M20 FOUR-SPEED

1963-65	2.56	1.91	1.48	1.00	_____	_____
1966-74	2.52	1.88	1.46	1.00	_____	_____

MUNCIE M21/M22 FOUR-SPEED

1963-77	2.20	1.64	1.27	1.00	_____	_____
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SAGINAW THREE-SPEED

All	2.54	1.88	1.00	_____	_____	_____
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SAGINAW FOUR-SPEED

All	2.20	1.64	1.47	1.00	_____	_____
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T-5 FIVE-SPEED (CAMARO/FIREBIRD)

1983-87 (V8)	2.95	1.94	1.34	1.00	0.74	_____
1988-92 (V8)	2.95	1.94	1.34	1.00	0.73	_____
1988-92	3.35	1.99	1.33	1.00	0.68	_____
1988-92	3.97	2.34	1.46	1.00	0.79	_____

T56 SIX-SPEED (CAMARO/FIREBIRD)

1993 (wide ratio)	3.36	2.07	1.35	1.00	0.84	0.62
1993 (close ratio)	2.97	1.94	1.35	1.00	0.84	0.62
1994-present	2.66	1.78	1.30	1.00	0.74	0.50

ZF SIX-SPEED

1989-96 Corvette LT1/LT4/LT5	2.68	1.80	1.31	1.00	0.75	0.50
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M420 FOUR-SPEED (TRUCK)

1947-67	7.20	3.57	1.70	1.00	_____	_____
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M465 FOUR-SPEED (TRUCK)

1968-90	6.54	3.57	1.57	1.00	_____	_____
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NP435 FOUR-SPEED (TRUCK)

All	4.78	2.39	1.37	1.00	_____	_____
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NV4500 FIVE-SPEED (TRUCK)

1995-present	5.61	3.04	1.67	1.00	0.73	_____
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Last issue (April 2001), we brought you a great big list of gear ratios for General Motors' most popular manual transmissions. This time, we have a nice list of ratios for Dearborn's manual transmissions, including the venerable Top Loader.

We also ran across a monster list of ratios for the Mustang T-5 five-speed, including the World Class transmissions from Ford Racing. It even includes torque ratings and input shaft dimensions.

Next time, we'll give you Mopar and off-road guys a treat with a ratio list for Chrysler and AMC/Jeep gearboxes. You can thank us later.

Manual Transmission Gear Ratios: Ford

T&C (TOP LOADER) FOUR-SPEED

Type	Gear Ratios				
	First	Second	Third	Fourth	Fifth
Wide ratio	2.78	1.92	1.35	1.00	—
Close ratio	2.32	1.69	1.30	1.00	—

T&C (TOP LOADER) FOUR-SPEED OVERDRIVE

1979-83 6-cylinder 20% Overdrive	3.29	1.84	1.00	0.70	—
1979-up V8 30% Overdrive	3.07	1.72	1.00	0.70	—

T-10 FOUR-SPEED

Wide ratio (1)	2.64	1.75	1.52	1.00	—
Wide ratio (2)	2.64	1.76	1.33	1.00	—
Close ratio (1)	2.43	1.61	1.23	1.00	—
Close ratio (2)	2.43	1.61	1.42	1.00	—

NP-235 FOUR-SPEED (TRUCK)

All	6.68	3.34	1.79	1.00	—
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ZF FIVE-SPEED (TRUCK)

Gasoline	5.72	2.94	1.61	1.00	0.76
Diesel	4.14	2.37	1.42	1.00	0.76

T-18 FOUR-SPEED (TRUCK)

All	6.32	3.09	1.69	1.00	—
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T-19 FOUR-SPEED (TRUCK)

Gasoline	5.11	3.03	1.79	1.00	—
Diesel	4.02	2.41	1.41	1.00	—

T-5 FIVE-SPEED, MUSTANG (OEM)

Type	Gear Ratios					Torque Rating	Input Shaft
	First	Second	Third	Fourth	Fifth		
1985-86 SVO Turbo	3.50	2.14	1.39	1.00	0.78	250 ft.-lbs.	7.41 L/0.590 pilot
1985-89 5.0L V8	3.35	1.93	1.29	1.00	0.66	265 ft.-lbs.	7.18 L/0.668 pilot
1990-93 5.0L V8	3.35	1.99	1.33	1.00	0.68	300 ft.-lbs.	7.18 L/0.668 pilot
1993 Cobra 5.0L V8	3.35	1.99	1.33	1.00	0.68	310 ft.-lbs.	7.18 L/0.668 pilot
1994-95 5.0L V8	3.35	1.99	1.33	1.00	0.68	300 ft.-lbs.	7.85 L/0.668 pilot
1994-95 Cobra 5.0L V8	3.35	1.99	1.33	1.00	0.68	310 ft.-lbs.	7.85 L/0.668 pilot
1987-93 2.3L V8	3.97	2.34	1.46	1.00	0.79	240 ft.-lbs.	7.41 L/0.590 pilot
1995-97 3.8L V6	3.35	1.93	1.29	1.00	0.73	265 ft.-lbs.	7.85 L/0.668 pilot

T-5 FIVE-SPEED, 5.0L MUSTANG (FORD RACING)

Type	Gear Ratios					Torque Rating	Input Shaft
	First	Second	Third	Fourth	Fifth		
FMS-M7003-A (1979-93)	2.95	1.94	1.34	1.00	0.63	305 ft.-lbs.	7.18 L/0.668 pilot
FMS-M7003-X (1979-93)	2.95	1.94	1.34	1.00	0.63	325 ft.-lbs.	7.18 L/0.668 pilot
FMS-M7003-Z (1979-93)	2.95	1.94	1.34	1.00	0.63	330 ft.-lbs.	7.18 L/0.668 pilot
FMS-M7003-R58 (1995 Cobra 5.8L V8)*	3.27	1.98	1.34	1.00	0.63	350 ft.-lbs.	—

*Tremec HD