

Transmission Heavy-Duty Manual

**Extended
Protection Plans
AVAILABLE**

See page 31.

Ratios & Steps

9-Speed Models	Reverse		Overall Ratio	Forward Gears								
	L	H		L	1	2	3	4	5	6	7	8
RT-8709B	13.89	3.89	13.29	13.29	9.16	6.53	4.80	3.57	2.56	1.83	1.35	1.00
% Step			45	40	36	34	39	40	36	34		
RTOC-16909A	11.28	2.99	14.38	10.50	7.37	5.21	3.78	2.76	1.95	1.38	1.00	.73
RTOCM-16909A ¹			% Step	42	42	38	37	41	42	38	37	
RTOC-18909A												

¹: This transmission can be rated at 200 lb-ft of additional torque above the limits in the top 2 ratios only.

11-Speed Models	Reverse			Overall Ratio	Forward Gears										
	LL	L	H		LL1	L	LL2	1	2	3	4	5	6	7	8
RTO-14909ALL	20.84	13.03	3.43	35.71	26.08	16.30	11.85	7.41	5.23	3.79	2.77	1.95	1.38	1.00	.73
RTO-16909ALL				% Step	60	38	60	42	38	37	42	42	38	37	

13-Speed Models	Reverse		Overall Ratio	Forward Gears												
	LL	H		L	1	2	3	4	5	6	7	8	9	10	11	12
RTLO-16913A	13.22	3.50	16.86	12.31	8.64	6.11	4.43	3.23	2.29	1.95	1.62	1.38	1.17	1.00	0.86	0.73
RTLO-18913A			% Step	42	42	38	37	41	17	21	17	18	17	17	17	
RTLO-20913A	13.22	3.50	16.86	12.31	8.59	6.11	4.43	3.23	2.28	1.94	1.62	1.38	1.17	1.00	0.86	0.73
			% Step	43	41	38	37	42	17	20	17	18	17	17	17	

15-Speed Models	Reverse			Overall Ratio	Forward Gears														
	DR	L	H		DR1	DR2	DR3	DR4	DR5	1	2	3	4	5	6	7	8	9	10
RT-14915	16.73	9.84	2.76	16.94	16.94	12.98	10.03	7.73	6.07	9.96	7.63	5.9	4.54	3.57	2.79	2.14	1.65	1.27	1.00
				% Step	31	29	30	27	39	31	29	30	27	28	30	30	30	27	
RTO-16915	13.14	7.73	2.17	16.94	13.31	10.20	7.88	6.07	4.77	7.83	6.00	4.64	3.57	2.81	2.19	1.68	1.30	1.00	0.79
				% Step	31	29	30	27	39	31	29	30	27	28	30	30	30	27	

18-Speed Models	Reverse				Overall Ratio	Forward Gears																		
	R1	R2	R3	R4		LL	L	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
RTLO-16918B	15.06	12.85	4.03	3.43	19.72	14.4	12.29	8.56	7.3	6.05	5.16	4.38	3.74	3.2	2.73	2.29	1.95	1.62	1.38	1.17	1.00	0.86	0.73	
					% Step	17	44	17	21	17	18	17	17	17	17	19	17	20	17	18	17	17	17	
RTLO-18918B					19.72	14.4	12.29	8.51	7.26	6.05	5.16	4.38	3.74	3.2	2.73	2.28	1.94	1.62	1.38	1.17	1.00	0.86	0.73	
RTLO-20918B					% Step	17	44	17	20	17	18	17	17	17	17	20	17	20	17	18	17	17	17	
RTLO-22918B																								