International 523,624,724 Diesel Tractor Transmission

Service Manual

3000730R2

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* Detailed instructions are given in manual "General Service Information".

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SPEED CHART 1
for 523/624 Tractors, from Transmission Serial No. 48 391 up, in km/h

Rear Tire Size	Trans-mission Speed Version	Road Range Ratio	Pinion/ Bevel Gear Ratio	Field Range					Road Range					Reverse Range					Powershift Range			
				Transmission Speed																		
				1.	2.	3.	4.	2.*	1.	2.	3.	4.	2.*	1.	2.	3.	4.	2.*	1.	2.	3.	4.
9 - 36	N	36/39	8/43	1.41	2.13	3.64	5.68		4.50	6.79	11.60	18.12		2.84	4.28	7.30	11.41		1.91	2.88	4.91	7.67
	S	36/39	10/43	1.77	2.66	4.55	7.10		5.63	8.49	14.50	22.65		3.54	5.35	9.13	14.26		2.38	3.60	6.14	9.59
	SS	39/36	10/43	1.61	2.66	4.83	7.49	3.08	5.90	9.74	17.67	27.40	11.20	3.24	5.35	9.70	15.04	6.18	2.18	3.60	6.52	10.12
11 - 32	N	36/39	8/43	1.40	2.11	3.60	5.62		4.46	6.72	11.47	17.92		2.81	4.23	7.22	11.28		1.89	2.85	4.86	7.59
	S	36/39	10/43	1.75	2.64	4.50	7.03		5.57	8.40	14.34	22.40		3.51	5.29	9.03	14.10		2.36	3.56	6.07	9.49
	SS	39/36	10/43	1.60	2.64	4.78	7.41	3.05	5.84	9.64	17.48	27.10	11.13	3.20	5.29	9.59	14.88	6.11	2.16	3.56	6.45	10.01
11 - 36	N	36/39	8/43	1.51	2.28	3.89	6.08		4.82	7.26	12.40	19.37		3.03	4.57	7.81	12.20		2.04	3.08	5.25	8.20
	S	36/39	10/43	1.89	2.85	4.86	7.60		6.02	9.08	15.50	24.22		3.79	5.72	9.76	15.25		2.55	3.85	6.57	10.26
	SS	39/36	10/43	1.73	2.85	5.17	8.01	3.29	6.31	10.42	18.89	29.30	12.04	3.46	5.72	10.37	16.08	6.61	2.33	3.85	6.98	10.82
11 - 38	N	36/39	8/43	1.57	2.36	4.04	6.31		5.00	7.54	12.87	20.10		3.15	4.75	8.10	12.65		2.12	3.19	5.45	8.51
	S	36/39	10/43	1.96	2.96	5.05	7.88		6.25	9.42	16.08	25.12		3.93	5.93	10.13	15.82		2.65	3.99	6.81	10.64
	SS	39/36	10/43	1.79	2.96	5.36	8.31	3.42	6.55	10.81	19.60	30.40	12.49	3.59	5.93	10.76	16.68	6.85	2.42	3.99	7.24	11.22
12 - 36	N	36/39	8/43	1.56	2.35	4.02	6.28		4.98	7.51	12.81	20.01		3.13	4.73	8.07	12.60		2.11	3.18	5.43	8.48
	S	36/39	10/43	1.95	2.94	5.02	7.85		6.22	9.38	16.02	25.02		3.92	5.91	10.08	15.75		2.63	3.97	6.78	10.60
	SS	39/36	10/43	1.78	2.94	5.34	8.28	3.40	6.52	10.76	19.52	30.27	12.44	3.58	5.91	10.71	16.61	6.83	2.41	3.97	7.21	11.18
13 - 28	N	36/39	8/43	1.39	2.10	3.59	5.60		4.44	6.70	11.44	17.87		2.80	4.22	7.20	11.25		1.88	2.84	4.84	7.57
	S	36/39	10/43	1.74	2.63	4.48	7.01		5.55	8.37	14.30	22.33		3.50	5.27	9.00	14.06		2.35	3.55	6.05	9.46
	SS	39/36	10/43	1.59	2.63	4.77	7.39	3.04	5.82	9.61	17.42	27.02	11.10	3.19	5.27	9.56	14.83	6.09	2.15	3.55	6.43	9.98
13 - 30	N	36/39	8/43	1.45	2.18	3.73	5.82		4.62	6.96	11.88	18.56		2.91	4.38	7.48	11.69		1.95	2.95	5.03	7.86
	S	36/39	10/43	1.81	2.73	4.66	7.28		5.77	8.70	14.85	23.20		3.63	5.48	9.35	14.61		2.44	3.69	6.29	9.83
	SS	39/36	10/43	1.65	2.73	4.95	7.68	3.15	6.05	9.98	18.11	28.08	11.53	3.32	5.48	9.94	15.41	6.33	2.23	3.69	6.68	10.37
14 - 30	N	36/39	8/43	1.48	2.24	3.82	5.97		4.73	7.14	12.19	19.04		2.98	4.49	7.67	11.99		2.00	3.02	5.16	8.06
	S	36/39	10/43	1.86	2.80	4.78	7.47		5.92	8.92	15.23	23.80		3.73	5.62	9.59	14.98		2.51	3.78	6.45	10.08
	SS	39/36	10/43	1.70	2.80	5.08	7.88	3.24	6.20	10.24	18.57	28.79	11.83	3.40	5.62	10.19	15.80	6.49	2.29	3.78	6.86	10.68
14 - 34	N	36/39	8/43	1.60	2.41	4.12	6.44		5.10	7.69	13.13	20.52		3.21	4.84	8.27	12.92		2.16	3.26	5.56	8.69
	S	36/39	10/43	2.00	3.02	5.15	8.05		6.38	9.62	16.42	25.65		4.01	6.05	10.34	16.15		2.70	4.07	6.95	10.80
	SS	39/36	10/43	1.83	3.02	5.47	8.49	3.49	6.68	11.03	20.01	31.03	12.75	3.67	6.05	10.98	17.03	7.00	2.47	4.07	7.39	11.46
15 - 30	N	36/39	8/43	1.56	2.35	4.01	6.27		4.97	7.50	12.79	19.99		3.13	4.72	8.06	12.53		2.10	3.17	5.42	8.40
	S	36/39	10/43	1.95	2.94	5.02	7.84		6.21	9.37	15.99	24.98		3.91	5.90	10.07	15.73		2.63	3.97	6.77	10.59
	SS	39/36	10/43	1.78	2.94	5.33	8.27	3.40	6.51	10.75	19.49	30.23	12.42	3.57	5.90	10.70	16.59	6.82	2.40	3.97	7.20	11.10

N = Transmission speed up to 20 km/h
S = Transmission speed up to 25 km/h
SS = Transmission speed up to 30 km/h

* On non-powershift transmissions the 2nd speed has a 20/50 gear ratio, instead of 18/52

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