

## A431 Transmission Gears

### Gear Ratios for Main Drive and Speed Gears Main Drive Gear Ratios (4th Gear Ratio is 1:1)

Main Drive Teeth:	22/22	21/22	23/25	23/26	20/24	21/26	19/24	21/27	21/28	19/26	18/25
Main Drive Ratio:	1.000	1.048	1.087	1.130	1.200	1.238	1.263	1.286	1.333	1.368	1.389
Main Drive Part#	825554M	825530M	825511M	825491M	825459M	825443M	825432M	825421M	825404M	825393M	825382M

Tooth Count	Ratio	Part#	First gears with integral Shaft:										
34/15	2.267	431157	2.267	2.375	2.464	2.562	2.720	2.806	2.863	2.914	3.022	3.102	3.148
33/15	2.200	431167	2.200	2.305	2.391	2.487	2.640	2.724	2.779	2.829	2.933	3.011	3.056
32/15	2.133	431181	2.133	2.235	2.319	2.412	2.560	2.641	2.695	2.743	2.844	2.919	2.963
32/16	2.000	431207	2.000	2.095	2.174	2.261	2.400	2.476	2.526	2.571	2.667	2.737	2.778
29/15	1.933	431223	1.933	2.025	2.101	2.185	2.320	2.393	2.442	2.485	2.577	2.645	2.685

Tooth Count	Ratio	Part#	First, Second and Third Gear Ratios:										
31/17	1.824	825249	1.824	1.910	1.982	2.061	2.188	2.258	2.303	2.345	2.431	2.495	2.533
30/17	1.765	825265	1.765	1.849	1.918	1.995	2.118	2.185	2.229	2.269	2.353	2.415	2.451
30/18	1.667	825291	1.667	1.746	1.812	1.884	2.000	2.063	2.105	2.143	2.222	2.281	2.315
29/18	1.611	825307	1.611	1.688	1.751	1.821	1.933	1.995	2.035	2.071	2.148	2.205	2.238
29/19	1.526	825335	1.526	1.599	1.659	1.725	1.832	1.890	1.928	1.962	2.035	2.089	2.120
27/18	1.500	825343	1.500	1.571	1.630	1.696	1.800	1.857	1.895	1.929	2.000	2.053	2.083
26/18	1.444	825362	1.444	1.513	1.570	1.633	1.733	1.788	1.825	1.857	1.926	1.977	2.006
25/18	1.389	825382	1.389	1.455	1.510	1.570	1.667	1.720	1.754	1.786	1.852	1.901	1.929
26/19	1.368	825393	1.368	1.434	1.487	1.547	1.642	1.694	1.729	1.759	1.825	1.873	1.901
28/21	1.333	825404	1.333	1.397	1.449	1.507	1.600	1.651	1.684	1.714	1.778	1.825	1.852
26/20	1.300	825416	1.300	1.362	1.413	1.470	1.560	1.610	1.642	1.671	1.733	1.779	1.806
27/21	1.286	825421	1.286	1.347	1.398	1.453	1.543	1.592	1.624	1.653	1.714	1.759	1.786
24/19	1.263	825432	1.263	1.323	1.373	1.428	1.516	1.564	1.596	1.624	1.684	1.729	1.754
26/21	1.238	825443	1.238	1.297	1.346	1.400	1.486	1.533	1.564	1.592	1.651	1.694	1.720
24/20	1.200	825459	1.200	1.257	1.304	1.357	1.440	1.486	1.516	1.543	1.600	1.642	1.667
23/20	1.150	825480	1.150	1.205	1.250	1.300	1.380	1.424	1.453	1.479	1.533	1.574	1.597
26/23	1.130	825491	1.130	1.184	1.229	1.278	1.357	1.400	1.428	1.453	1.507	1.547	1.570
25/23	1.087	825511	1.087	1.139	1.181	1.229	1.304	1.346	1.373	1.398	1.449	1.487	1.510
22/21	1.048	825530	1.048	1.098	1.139	1.184	1.257	1.297	1.323	1.347	1.397	1.434	1.455
25/24	1.042	825534	1.042	1.091	1.132	1.178	1.250	1.290	1.316	1.339	1.389	1.425	1.447
22/22	1.000	825554	1.000	1.048	1.087	1.130	1.200	1.238	1.263	1.286	1.333	1.368	1.389
24/25	0.960	825577	0.960	1.006	1.043	1.085	1.152	1.189	1.213	1.234	1.280	1.314	1.333
21/22	0.955	825580	0.955	1.000	1.038	1.079	1.145	1.182	1.206	1.227	1.273	1.306	1.326
23/25	0.920	825593	0.920	0.964	1.000	1.040	1.104	1.139	1.162	1.183	1.227	1.259	1.278
23/26	0.885	825611	0.885	0.927	0.962	1.000	1.062	1.095	1.117	1.137	1.179	1.211	1.229
20/23	0.870	825620	0.870	0.911	0.945	0.983	1.043	1.077	1.098	1.118	1.159	1.190	1.208
20/24	0.833	825639	0.833	0.873	0.906	0.942	1.000	1.032	1.053	1.071	1.111	1.140	1.157
21/26	0.808	825654	0.808	0.846	0.878	0.913	0.969	1.000	1.020	1.038	1.077	1.105	1.122
20/25	0.800	825659	0.800	0.838	0.870	0.904	0.960	0.990	1.011	1.029	1.067	1.095	1.111
19/24	0.792	825663	0.792	0.829	0.861	0.895	0.950	0.980	1.000	1.018	1.056	1.083	1.100