

GB804 - Twin Disc

STATUS

Available

REF. NUMBER

GB804

MANUFACTURE

Twin Disc

TYPE

MG 509

RED.

2,00:1

HP IND

325

RPM IND

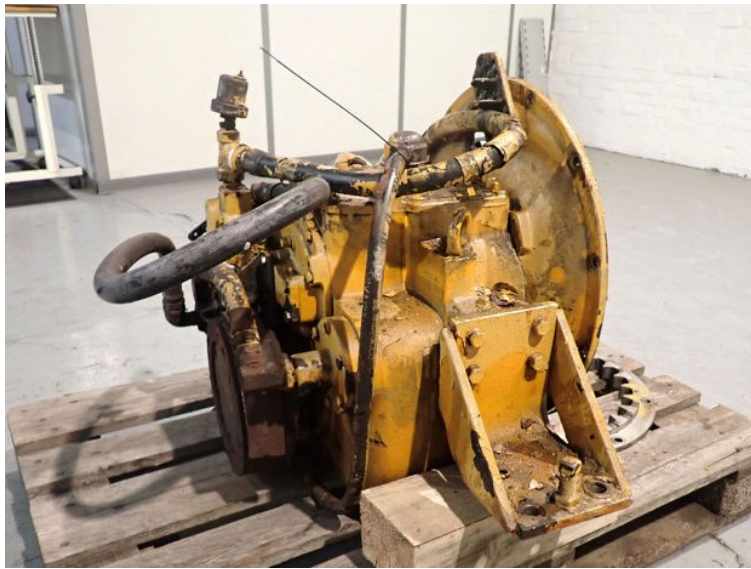
2100

FABRIKS NR.

Serie 5M9901 Spec. 34004

VESSEL

Vos siren



Model MG-509
Marine Transmission

- Oil controlled clutch engagement
- Overhaul and overhaul gear
- Emergency common-horn feature
- Self-aligning capability
- Rubber track drive
- Ratio: 4.61, 3.28, 2.46, 2.24, 1.33, 1.33, 1.33, 1.33, 1.33 and 4.51
- Mounted with either S42 No. 1 or No. 2 housing
- Dry friction housing
- Both clutch and transmission attached to engine
- Internal maintenance and oil fill forward on engine
- Hydraulically actuated and oil cooled clutch with smooth, fast, frictionless response

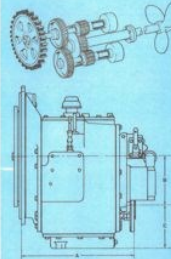
The MG-509 Marine Transmission is the most popular marine transmission in the world today. It is available in 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.



Model MG-509
Marine Transmission



- Oil controlled clutch engagement
- Controlled and balanced gears
- Emergency reverse feature
- Built with highest efficiency
- Butter block drive
- Models 4.501, 4.502, 4.503, 4.504, 4.505, 4.506, 4.507, 4.508, 4.509, 4.510, 4.511, 4.512, 4.513, 4.514, 4.515, 4.516, 4.517, 4.518, 4.519, 4.520, 4.521, 4.522, 4.523, 4.524, 4.525, 4.526, 4.527, 4.528, 4.529, 4.530, 4.531, 4.532, 4.533, 4.534, 4.535, 4.536, 4.537, 4.538, 4.539, 4.540, 4.541, 4.542, 4.543, 4.544, 4.545, 4.546, 4.547, 4.548, 4.549, 4.550, 4.551, 4.552, 4.553, 4.554, 4.555, 4.556, 4.557, 4.558, 4.559, 4.560, 4.561, 4.562, 4.563, 4.564, 4.565, 4.566, 4.567, 4.568, 4.569, 4.570, 4.571, 4.572, 4.573, 4.574, 4.575, 4.576, 4.577, 4.578, 4.579, 4.580, 4.581, 4.582, 4.583, 4.584, 4.585, 4.586, 4.587, 4.588, 4.589, 4.590, 4.591, 4.592, 4.593, 4.594, 4.595, 4.596, 4.597, 4.598, 4.599, 4.600, 4.601, 4.602, 4.603, 4.604, 4.605, 4.606, 4.607, 4.608, 4.609, 4.610, 4.611, 4.612, 4.613, 4.614, 4.615, 4.616, 4.617, 4.618, 4.619, 4.620, 4.621, 4.622, 4.623, 4.624, 4.625, 4.626, 4.627, 4.628, 4.629, 4.630, 4.631, 4.632, 4.633, 4.634, 4.635, 4.636, 4.637, 4.638, 4.639, 4.640, 4.641, 4.642, 4.643, 4.644, 4.645, 4.646, 4.647, 4.648, 4.649, 4.650, 4.651, 4.652, 4.653, 4.654, 4.655, 4.656, 4.657, 4.658, 4.659, 4.660, 4.661, 4.662, 4.663, 4.664, 4.665, 4.666, 4.667, 4.668, 4.669, 4.670, 4.671, 4.672, 4.673, 4.674, 4.675, 4.676, 4.677, 4.678, 4.679, 4.680, 4.681, 4.682, 4.683, 4.684, 4.685, 4.686, 4.687, 4.688, 4.689, 4.690, 4.691, 4.692, 4.693, 4.694, 4.695, 4.696, 4.697, 4.698, 4.699, 4.700, 4.701, 4.702, 4.703, 4.704, 4.705, 4.706, 4.707, 4.708, 4.709, 4.710, 4.711, 4.712, 4.713, 4.714, 4.715, 4.716, 4.717, 4.718, 4.719, 4.720, 4.721, 4.722, 4.723, 4.724, 4.725, 4.726, 4.727, 4.728, 4.729, 4.730, 4.731, 4.732, 4.733, 4.734, 4.735, 4.736, 4.737, 4.738, 4.739, 4.740, 4.741, 4.742, 4.743, 4.744, 4.745, 4.746, 4.747, 4.748, 4.749, 4.750, 4.751, 4.752, 4.753, 4.754, 4.755, 4.756, 4.757, 4.758, 4.759, 4.760, 4.761, 4.762, 4.763, 4.764, 4.765, 4.766, 4.767, 4.768, 4.769, 4.770, 4.771, 4.772, 4.773, 4.774, 4.775, 4.776, 4.777, 4.778, 4.779, 4.780, 4.781, 4.782, 4.783, 4.784, 4.785, 4.786, 4.787, 4.788, 4.789, 4.790, 4.791, 4.792, 4.793, 4.794, 4.795, 4.796, 4.797, 4.798, 4.799, 4.800, 4.801, 4.802, 4.803, 4.804, 4.805, 4.806, 4.807, 4.808, 4.809, 4.810, 4.811, 4.812, 4.813, 4.814, 4.815, 4.816, 4.817, 4.818, 4.819, 4.820, 4.821, 4.822, 4.823, 4.824, 4.825, 4.826, 4.827, 4.828, 4.829, 4.830, 4.831, 4.832, 4.833, 4.834, 4.835, 4.836, 4.837, 4.838, 4.839, 4.840, 4.841, 4.842, 4.843, 4.844, 4.845, 4.846, 4.847, 4.848, 4.849, 4.850, 4.851, 4.852, 4.853, 4.854, 4.855, 4.856, 4.857, 4.858, 4.859, 4.860, 4.861, 4.862, 4.863, 4.864, 4.865, 4.866, 4.867, 4.868, 4.869, 4.870, 4.871, 4.872, 4.873, 4.874, 4.875, 4.876, 4.877, 4.878, 4.879, 4.880, 4.881, 4.882, 4.883, 4.884, 4.885, 4.886, 4.887, 4.888, 4.889, 4.890, 4.891, 4.892, 4.893, 4.894, 4.895, 4.896, 4.897, 4.898, 4.899, 4.900, 4.901, 4.902, 4.903, 4.904, 4.905, 4.906, 4.907, 4.908, 4.909, 4.910, 4.911, 4.912, 4.913, 4.914, 4.915, 4.916, 4.917, 4.918, 4.919, 4.920, 4.921, 4.922, 4.923, 4.924, 4.925, 4.926, 4.927, 4.928, 4.929, 4.930, 4.931, 4.932, 4.933, 4.934, 4.935, 4.936, 4.937, 4.938, 4.939, 4.940, 4.941, 4.942, 4.943, 4.944, 4.945, 4.946, 4.947, 4.948, 4.949, 4.950, 4.951, 4.952, 4.953, 4.954, 4.955, 4.956, 4.957, 4.958, 4.959, 4.960, 4.961, 4.962, 4.963, 4.964, 4.965, 4.966, 4.967, 4.968, 4.969, 4.970, 4.971, 4.972, 4.973, 4.974, 4.975, 4.976, 4.977, 4.978, 4.979, 4.980, 4.981, 4.982, 4.983, 4.984, 4.985, 4.986, 4.987, 4.988, 4.989, 4.990, 4.991, 4.992, 4.993, 4.994, 4.995, 4.996, 4.997, 4.998, 4.999, 5.000



Use Certified Print for Installation

Model	SAE No. 1	SAE No. 2	SAE No. 3	SAE No. 4	SAE No. 5	SAE No. 6	SAE No. 7	SAE No. 8	SAE No. 9	SAE No. 10
4.501	1.601	1.602	1.603	1.604	1.605	1.606	1.607	1.608	1.609	1.610
4.502	1.611	1.612	1.613	1.614	1.615	1.616	1.617	1.618	1.619	1.620
4.503	1.621	1.622	1.623	1.624	1.625	1.626	1.627	1.628	1.629	1.630
4.504	1.631	1.632	1.633	1.634	1.635	1.636	1.637	1.638	1.639	1.640
4.505	1.641	1.642	1.643	1.644	1.645	1.646	1.647	1.648	1.649	1.650
4.506	1.651	1.652	1.653	1.654	1.655	1.656	1.657	1.658	1.659	1.660
4.507	1.661	1.662	1.663	1.664	1.665	1.666	1.667	1.668	1.669	1.670
4.508	1.671	1.672	1.673	1.674	1.675	1.676	1.677	1.678	1.679	1.680
4.509	1.681	1.682	1.683	1.684	1.685	1.686	1.687	1.688	1.689	1.690
4.510	1.691	1.692	1.693	1.694	1.695	1.696	1.697	1.698	1.699	1.700
4.511	1.701	1.702	1.703	1.704	1.705	1.706	1.707	1.708	1.709	1.710
4.512	1.711	1.712	1.713	1.714	1.715	1.716	1.717	1.718	1.719	1.720
4.513	1.721	1.722	1.723	1.724	1.725	1.726	1.727	1.728	1.729	1.730
4.514	1.731	1.732	1.733	1.734	1.735	1.736	1.737	1.738	1.739	1.740
4.515	1.741	1.742	1.743	1.744	1.745	1.746	1.747	1.748	1.749	1.750
4.516	1.751	1.752	1.753	1.754	1.755	1.756	1.757	1.758	1.759	1.760
4.517	1.761	1.762	1.763	1.764	1.765	1.766	1.767	1.768	1.769	1.770
4.518	1.771	1.772	1.773	1.774	1.775	1.776	1.777	1.778	1.779	1.780
4.519	1.781	1.782	1.783	1.784	1.785	1.786	1.787	1.788	1.789	1.790
4.520	1.791	1.792	1.793	1.794	1.795	1.796	1.797	1.798	1.799	1.800
4.521	1.801	1.802	1.803	1.804	1.805	1.806	1.807	1.808	1.809	1.810
4.522	1.811	1.812	1.813	1.814	1.815	1.816	1.817	1.818	1.819	1.820
4.523	1.821	1.822	1.823	1.824	1.825	1.826	1.827	1.828	1.829	1.830
4.524	1.831	1.832	1.833	1.834	1.835	1.836	1.837	1.838	1.839	1.840
4.525	1.841	1.842	1.843	1.844	1.845	1.846	1.847	1.848	1.849	1.850
4.526	1.851	1.852	1.853	1.854	1.855	1.856	1.857	1.858	1.859	1.860
4.527	1.861	1.862	1.863	1.864	1.865	1.866	1.867	1.868	1.869	1.870
4.528	1.871	1.872	1.873	1.874	1.875	1.876	1.877	1.878	1.879	1.880
4.529	1.881	1.882	1.883	1.884	1.885	1.886	1.887	1.888	1.889	1.890
4.530	1.891	1.892	1.893	1.894	1.895	1.896	1.897	1.898	1.899	1.900
4.531	1.901	1.902	1.903	1.904	1.905	1.906	1.907	1.908	1.909	1.910
4.532	1.911	1.912	1.913	1.914	1.915	1.916	1.917	1.918	1.919	1.920
4.533	1.921	1.922	1.923	1.924	1.925	1.926	1.927	1.928	1.929	1.930
4.534	1.931	1.932	1.933	1.934	1.935	1.936	1.937	1.938	1.939	1.940
4.535	1.941	1.942	1.943	1.944	1.945	1.946	1.947	1.948	1.949	1.950
4.536	1.951	1.952	1.953	1.954	1.955	1.956	1.957	1.958	1.959	1.960
4.537	1.961	1.962	1.963	1.964	1.965	1.966	1.967	1.968	1.969	1.970
4.538	1.971	1.972	1.973	1.974	1.975	1.976	1.977	1.978	1.979	1.980
4.539	1.981	1.982	1.983	1.984	1.985	1.986	1.987	1.988	1.989	1.990
4.540	1.991	1.992	1.993	1.994	1.995	1.996	1.997	1.998	1.999	2.000

Heat Exchanger
An optional heat exchanger is available for installation on the top cover plate of the transmission. Customers who wish to install the heat exchanger should contact the nearest Caterpillar distributor for information. Quality fresh or salt water is to be used in the heat exchanger. Heat exchanger can be factory-mounted to top PTO (if used).

These drawings are available with the No. 1 housing and one clutch ring with the No. 2 housing. Maximum rated speed with PTO No. A-21 driving is 2000 rpm. The MG-509 is designed for full horsepower operation continuously in either forward or reverse position. An internally-mounted heat exchanger, heat-treated drive shaft, and mounting brackets and cladding hanger and a holding yoke assembly are available as optional equipment with the MG-509 Marine Transmission. The



Use Certified Print for Installation

Model	SAE No. 1	SAE No. 2	SAE No. 3	SAE No. 4	SAE No. 5	SAE No. 6	SAE No. 7	SAE No. 8	SAE No. 9	SAE No. 10
4.501	1.601	1.602	1.603	1.604	1.605	1.606	1.607	1.608	1.609	1.610
4.502	1.611	1.612	1.613	1.614	1.615	1.616	1.617	1.618	1.619	1.620
4.503	1.621	1.622	1.623	1.624	1.625	1.626	1.627	1.628	1.629	1.630
4.504	1.631	1.632	1.633	1.634	1.635	1.636	1.637	1.638	1.639	1.640
4.505	1.641	1.642	1.643	1.644	1.645	1.646	1.647	1.648	1.649	1.650
4.506	1.651	1.652	1.653	1.654	1.655	1.656	1.657	1.658	1.659	1.660
4.507	1.661	1.662	1.663	1.664	1.665	1.666	1.667	1.668	1.669	1.670
4.508	1.671	1.672	1.673	1.674	1.675	1.676	1.677	1.678	1.679	1.680
4.509	1.681	1.682	1.683	1.684	1.685	1.686	1.687	1.688	1.689	1.690
4.510	1.691	1.692	1.693	1.694	1.695	1.696	1.697	1.698	1.699	1.700
4.511	1.701	1.702	1.703	1.704	1.705	1.706	1.707	1.708	1.709	1.710
4.512	1.711	1.712	1.713	1.714	1.715	1.716	1.717	1.718	1.719	1.720
4.513	1.721	1.722	1.723	1.724	1.725	1.726	1.727	1.728	1.729	1.730
4.514	1.731	1.732	1.733	1.734	1.735	1.736	1.737	1.738	1.739	1.740
4.515	1.741	1.742	1.743	1.744	1.745	1.746	1.747	1.748	1.749	1.750
4.516	1.751	1.752	1.753	1.754	1.755	1.756	1.757	1.758	1.759	1.760
4.517	1.761	1.762	1.763	1.764	1.765	1.766	1.767	1.768	1.769	1.770
4.518	1.771	1.772	1.773	1.774	1.775	1.776	1.777	1.778	1.779	1.780
4.519	1.781	1.782	1.783	1.784	1.785	1.786	1.787	1.788	1.789	1.790
4.520	1.791	1.792	1.793	1.794	1.795	1.796	1.797	1.798	1.799	1.800