MANUAL TRANSMISSION (W59) SERVICE DATA

SS059-01

Min.	42.975 mm (1.6919 in.)
Min.	31.969 mm (1.2586 in.)
Min.	5.60 mm (0.2205 in.)
Max.	0.06 mm (0.0024 in.)
Min.	4.78 mm (0.1881 in.)
Min.	42.975 mm (1.6919 in.)
Min.	29.950 mm (1.1791 in.)
Min.	26.975 mm (1.0620 in.)
STD	0.10 – 0.25 mm (0.0039 – 0.0098 in.)
Max.	0.30 mm (0.0118 in.)
STD	0.10 – 0.41 mm (0.0039 – 0.0161 in.)
Max.	0.46 mm (0.0181 in.)
STD	0.009 – 0.060 mm (0.0004 – 0.0024 in.)
Max.	0.150 mm (0.0059 in.)
STD	0.015 - 0.066 mm (0.0006 - 0.0026 in.)
Max.	0.200 mm (0.0079 in.)
STD	0.041 – 0.074 mm (0.0016 – 0.0029 in.)
Max.	0.194 mm (0.0076 in.)
STD	0.20 – 0.41 mm (0.0080 – 0.0161 in.)
Max.	0.90 mm (0.0354 in.)
Max.	1.0 mm (0.039 in.)
Min.	0.5 mm (0.020 in.)
Min.	0.7 mm (0.028 in.)
Mark 1	2.05 – 2.10 mm (0.0807 – 0.0827 in.)
2	2.10 – 2.15 mm (0.0827 – 0.0846 in.)
3	2.15 – 2.20 mm (0.0846 – 0.0866 in.)
4	2.20 – 2.25 mm (0.0866 – 0.0886 in.)
5	2.25 – 2.30 mm (0.0886 – 0.0906 in.)
11	2.30 – 2.35 mm (0.0906 – 0.0925 in.)
12	2.35 – 2.40 mm (0.0925 – 0.0945 in.)
Marila O. 4	4.75 4.00 **** (0.0000 *** 0.0700 ***)
	1.75 – 1.80 mm (0.0689 – 0.0709 in.)
	1.80 – 1.85 mm (0.0709 – 0.0728 in.)
	1.86 – 1.91 mm (0.0732 – 0.0752 in.)
	1.92 – 1.97 mm (0.0756 – 0.0776 in.)
	1.98 – 2.03 mm (0.0780 – 0.0799 in.)
	2.04 – 2.09 mm (0.0803 – 0.0823 in.)
	2.10 – 2.15 mm (0.0827 – 0.0846 in.)
	2.31 – 2.36 mm (0.0909 – 0.0929 in.) 2.37 – 2.42 mm (0.0933 – 0.0953 in.)
	2.43 – 2.48 mm (0.0957 – 0.0976 in.)
	2.49 – 2.54 mm (0.0980 – 0.1000 in.)
	2.55 – 2.60 mm (0.1004 – 0.1024 in.)
	2.61 – 2.66 mm (0.1028 – 0.1047 in.)
	2.68 – 2.73 mm (0.1055 – 0.1075 in.)
	2.74 – 2.79 mm (0.1079 – 0.1098 in.)
	Min. Min. Max. Min. Min. Min. Min. Min. STD Max. STD STD Max. STD Max. STD

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Output shaft snap ring thickness (cont'd)		
Reverse gear	Mark 5	2.25 – 2.30 mm (0.0886 – 0.0906 in.)
	11	2.30 – 2.35 mm (0.0906 – 0.0925 in.)
	12	2.35 – 2.40 mm (0.0925 – 0.0945 in.)
	13	2.40 – 2.45 mm (0.0945 – 0.0965 in.)
	14	2.45 – 2.50 mm (0.0965 – 0.0984 in.)
	15	2.50 – 2.55 mm (0.0984 – 0.1004 in.)
	16	2.55 – 2.60 mm (0.1004 – 0.1024 in.)
	17	2.61 – 2.66 mm (0.1028 – 0.1047 in.)
	18	2.67 – 2.72 mm (0.1051 – 0.1071 in.)
	19	2.73 – 2.78 mm (0.1075 – 0.1094 in.)
	20	2.79 – 2.84 mm (0.1098 – 0.1118 in.)
	21	2.85 – 2.90 mm (0.1122 – 0.1142 in.)
	22	2.91 – 2.96 mm (0.1146 – 0.1165 in.)
	23	2.97 – 3.02 mm (0.1169 – 0.1189 in.)
Coutner gear snap ring thickness		
Front bearing	Mark A	2.05 – 2.10 mm (0.0807 – 0.0827 in.)
•	В	2.10 – 2.15 mm (0.0827 – 0.0846 in.)
	С	2.15 – 2.20 mm (0.0846 – 0.0866 in.)
	D	2.20 – 2.25 mm (0.0866 – 0.0886 in.)
	Е	2.25 – 2.30 mm (0.0886 – 0.0906 in.)
	F	2.30 – 2.35 mm (0.0906 – 0.0925 in.)
No. 3 clutch hub	Mark 2	2.06 – 2.11 mm (0.0811 – 0.0831 in.)
	3	2.12 – 2.17 mm (0.0835 – 0.0854 in.)
	4	2.18 – 2.23 mm (0.0858 – 0.0878 in.)
	5	2.24 – 2.29 mm (0.0882 – 0.0902 in.)
Rear bearing	Mark 1	1.90 – 1.95 mm (0.0748 – 0.0768 in.)
	2	1.96 – 2.01 mm (0.0772 – 0.0791 in.)
	3	2.02 – 2.07 mm (0.0795 – 0.0815 in.)
	4	2.08 – 2.13 mm (0.0819 – 0.0839 in.)
	5	2.14 – 2.19 mm (0.0843 – 0.0862 in.)
	6	2.20 – 2.25 mm (0.0866 – 0.0886 in.)
	7	2.26 – 2.31 mm (0.0890 – 0.0909 in.)
Oil seal drive in depth		
Speedometer drive gear		25 mm (0.98 in.)
Front bearing retainer (from retainer end)		$12.2 \pm 0.5 \text{ mm} (0.480 \pm 0.020 \text{ in.})$
Extension housing		$0 \pm 0.5 \text{mm} (0 \pm 0.020 \text{in.})$
Transfer adaptor		45.5 ± 0.5 mm (1.969 ± 0.020 in.)

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