# DIFFERENTIAL

## SERVICE DATA

030RR–01

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|---|---|---|---|
| Rear differential | Oil diaphragm seal drive in depth | | 0.7 – 1.3 mm (0.03 – 0.05 in.) |
| | Side gear shaft oil seal drive in depth | | 4.2 – 4.8 mm (0.165 – 0.189 in.) |
| | Transmission coupling vertically | Maximum | 0.05 mm (0.002 in.) |
| | Transmission coupling horizontally | Minimum | 0.05 mm (0.002 in.) |
| | Drive pinion to ring gear backlash | | 0.10 – 0.15 mm (0.0039 – 0.0059 in.) |
| | Side gear backlash | | 0.05 – 0.20 mm (0.002 – 0.0079 in.) |
| | Drive pinion preload (at starting) | New bearing | 0.7 – 1.3 N·m (7 – 13 kgf·cm, 6 – 11 in.·lbf) |
| | | Reused bearing | 0.4 – 0.7 N·m (4 – 7 kgf·cm, 3 – 6 in.·lbf) |
| | Total preload (Drive pinion preload plus) | | 0.3 – 0.5 N·m (3 – 5 kgf·cm, 2.6 – 4.3 in.·lbf) |
| | Side gear thrust washer thickness | mm (in.) | 1.48 – 1.52 (0.0583 – 0.0598)<br>1.53 – 1.57 (0.0602 – 0.0618)<br>1.58 – 1.62 (0.0622 – 0.0638)<br>1.63 – 1.67 (0.0642 – 0.0657)<br>1.68 – 1.72 (0.0661 – 0.0677)<br>1.73 – 1.77 (0.0681 – 0.0697) |
| | Side gear shaft washer thickness | mm (in.) | 25 1.59 – 1.61 (0.0626 – 0.0634)<br>26 1.62 – 1.64 (0.0638 – 0.0646)<br>27 1.65 – 1.67 (0.0650 – 0.0657)<br>28 1.68 – 1.70 (0.0661 – 0.0669)<br>29 1.71 – 1.73 (0.0673 – 0.0681)<br>30 1.74 – 1.76 (0.0685 – 0.0693)<br>31 1.77 – 1.79 (0.0697 – 0.0705)<br>32 1.80 – 1.82 (0.0709 – 0.0717)<br>33 1.83 – 1.85 (0.0720 – 0.0728)<br>34 1.86 – 1.88 (0.0732 – 0.0740)<br>35 1.89 – 1.91 (0.0744 – 0.0752)<br>36 1.92 – 1.94 (0.0756 – 0.0764)<br>37 1.95 – 1.97 (0.0768 – 0.0776)<br>38 1.98 – 2.00 (0.0780 – 0.0787)<br>39 2.01 – 2.03 (0.0791 – 0.0799)<br>40 2.04 – 2.06 (0.0803 – 0.0811)<br>41 2.07 – 2.09 (0.0815 – 0.0823)<br>42 2.10 – 2.12 (0.0827 – 0.0835)<br>43 2.13 – 2.15 (0.0839 – 0.0846)<br>44 2.16 – 2.18 (0.0850 – 0.0858)<br>45 2.19 – 2.21 (0.0862 – 0.0870)<br>46 2.22 – 2.24 (0.0874 – 0.0882)<br>47 2.25 – 2.27 (0.0886 – 0.0894)<br>48 2.28 – 2.30 (0.0898 – 0.0906)<br>49 2.31 – 2.33 (0.0909 – 0.0917)<br>50 2.34 – 2.36 (0.0921 – 0.0929)<br>51 2.37 – 2.39 (0.0933 – 0.0941)<br>52 2.40 – 2.42 (0.0945 – 0.0953)<br>53 2.43 – 2.45 (0.0957 – 0.0965)<br>54 2.46 – 2.48 (0.0969 – 0.0976)<br>55 2.49 – 2.51 (0.0980 – 0.0988)<br>56 2.52 – 2.54 (0.0992 – 0.1000)<br>57 2.55 – 2.57 (0.1004 – 0.1012)<br>58 2.58 – 2.60 (0.1016 – 0.1024)<br>59 2.61 – 2.63 (0.1028 – 0.1035)<br>60 2.64 – 2.68 (0.1039 – 0.1047) |

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| Rear differential | Drive pinion washer thickness | mm (in.) | 41 | 1.695 – 1.705 (0.0667 – 0.0671) |
| | | | 42 | 1.705 – 1.715 (0.0671 – 0.0675) |
| | | | 43 | 1.715 – 1.725 (0.0675 – 0.0679) |
| | | | 44 | 1.725 – 1.735 (0.0679 – 0.0683) |
| | | | 45 | 1.735 – 1.745 (0.0683 – 0.0687) |
| | | | 46 | 1.745 – 1.755 (0.0687 – 0.0691) |
| | | | 47 | 1.755 – 1.765 (0.0691 – 0.0695) |
| | | | 48 | 1.765 – 1.775 (0.0695 – 0.0699) |
| | | | 49 | 1.775 – 1.785 (0.0699 – 0.0703) |
| | | | 50 | 1.785 – 1.795 (0.0703 – 0.0707) |
| | | | 51 | 1.795 – 1.805 (0.0707 – 0.0711) |
| | | | 52 | 1.805 – 1.815 (0.0711 – 0.0715) |
| | | | 53 | 1.815 – 1.825 (0.0715 – 0.0719) |
| | | | 54 | 1.825 – 1.835 (0.0719 – 0.0722) |
| | | | 55 | 1.835 – 1.845 (0.0722 – 0.0726) |
| | | | 56 | 1.845 – 1.855 (0.0726 – 0.0730) |
| | | | 57 | 1.855 – 1.865 (0.0730 – 0.0734) |
| | | | 58 | 1.865 – 1.875 (0.0734 – 0.0738) |
| | | | 59 | 1.875 – 1.885 (0.0738 – 0.0742) |
| | | | 60 | 1.885 – 1.895 (0.0742 – 0.0746) |
| | | | 61 | 1.895 – 1.905 (0.0746 – 0.0750) |
| | | | 62 | 1.905 – 1.915 (0.0750 – 0.0754) |
| | | | 63 | 1.915 – 1.925 (0.0754 – 0.0758) |
| | | | 64 | 1.925 – 1.935 (0.0758 – 0.0762) |
| | | | 65 | 1.935 – 1.945 (0.0762 – 0.0766) |
| | | | 70 | 1.945 – 1.955 (0.0766 – 0.0770) |
| | | | 71 | 1.955 – 1.965 (0.0770 – 0.0774) |
| | | | 72 | 1.965 – 1.975 (0.0774 – 0.0778) |
| | | | 73 | 1.975 – 1.985 (0.0778 – 0.0781) |
| | | | 74 | 1.985 – 1.995 (0.0781 – 0.0785) |
| | | | 75 | 1.995 – 2.005 (0.0785 – 0.0789) |
| | | | 76 | 2.005 – 2.015 (0.0789 – 0.0793) |
| | | | 77 | 2.015 – 2.025 (0.0793 – 0.0797) |
| | | | 78 | 2.025 – 2.035 (0.0797 – 0.0801) |
| | | | 79 | 2.035 – 2.045 (0.0801 – 0.0805) |
| | | | 80 | 2.045 – 2.055 (0.0805 – 0.0809) |
| | | | 81 | 2.055 – 2.065 (0.0809 – 0.0813) |
| | | | 82 | 2.065 – 2.075 (0.0813 – 0.0817) |
| | | | 83 | 2.075 – 2.085 (0.0817 – 0.0821) |
| | | | 84 | 2.085 – 2.095 (0.0821 – 0.0825) |
| | | | 85 | 2.095 – 2.105 (0.0825 – 0.0829) |
| | | | 86 | 2.105 – 2.115 (0.0829 – 0.0833) |
| | | | 87 | 2.115 – 2.125 (0.0833 – 0.0837) |
| | | | 88 | 2.125 – 2.135 (0.0837 – 0.0841) |
| | | | 89 | 2.135 – 2.145 (0.0841 – 0.0844) |
| | | | 90 | 2.145 – 2.155 (0.0844 – 0.0848) |
| | | | 91 | 2.155 – 2.165 (0.0848 – 0.0852) |
| | | | 92 | 2.165 – 2.175 (0.0852 – 0.0856) |
| | | | 93 | 2.175 – 2.185 (0.0856 – 0.0860) |
| | | | 94 | 2.185 – 2.195 (0.0860 – 0.0864) |
| | | | 95 | 2.195 – 2.205 (0.0864 – 0.0868) |