
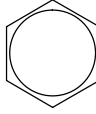
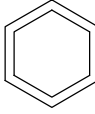
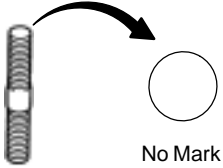
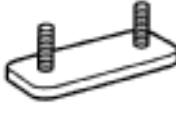

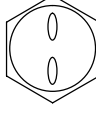
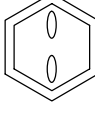
















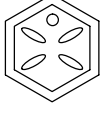


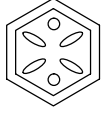


STANDARD BOLT

HOW TO DETERMINE BOLT STRENGTH

SS02S-01

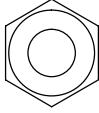
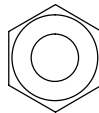
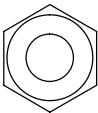
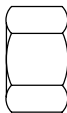

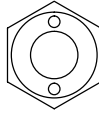
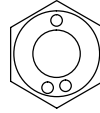
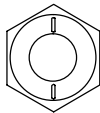
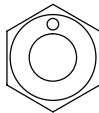
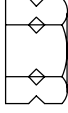
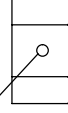
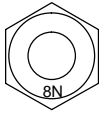
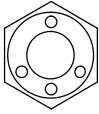
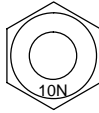
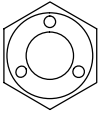
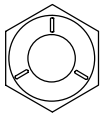
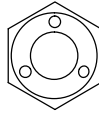


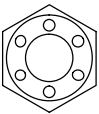
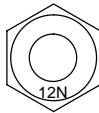
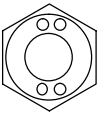
| Bolt Type | | | | Class |
|--|---|---|---|-------|
| Hexagon Head Bolt | | Stud Bolt | Weld Bolt | |
| Normal Recess Bolt | Deep Recess Bolt | | | |
|   No Mark |  No Mark |  No Mark |  | 4T |
|   |  | | | 5T |
|   w/ Washer |  w/ Washer |  | | 6T |
|   |   | | | 7T |
|  |  |   | | 8T |
|  |  | | | 9T |
|  |   | | | 10T |
|  |   | | | 11T |

B06431

SPECIFIED TORQUE FOR STANDARD BOLTS

| Class | Diameter mm | Pitch mm | Specified torque | | | | | |
|-------|----------------|-------------|-------------------|--------|------------|---------------------|--------|------------|
| | | | Hexagon head bolt | | | Hexagon flange bolt | | |
| | | | N-m | kgf-cm | ft-lbf | N-m | kgf-cm | ft-lbf |
| 4T | 6 | 1 | 5 | 55 | 48 in.·lbf | 6 | 60 | 52 in.·lbf |
| | 8 | 1.25 | 12.5 | 130 | 9 | 14 | 145 | 10 |
| | 10 | 1.25 | 26 | 260 | 19 | 29 | 290 | 21 |
| | 12 | 1.25 | 47 | 480 | 35 | 53 | 540 | 39 |
| | 14 | 1.5 | 74 | 760 | 55 | 84 | 850 | 61 |
| | 16 | 1.5 | 115 | 1,150 | 83 | – | – | – |
| 5T | 6 | 1 | 6.5 | 65 | 56 in.·lbf | 7.5 | 75 | 65 in.·lbf |
| | 8 | 1.25 | 15.5 | 160 | 12 | 17.5 | 175 | 13 |
| | 10 | 1.25 | 32 | 330 | 24 | 36 | 360 | 26 |
| | 12 | 1.25 | 59 | 600 | 43 | 65 | 670 | 48 |
| | 14 | 1.5 | 91 | 930 | 67 | 100 | 1,050 | 76 |
| | 16 | 1.5 | 140 | 1,400 | 101 | – | – | – |
| 6T | 6 | 1 | 8 | 80 | 69 in.·lbf | 9 | 90 | 78 in.·lbf |
| | 8 | 1.25 | 19 | 195 | 14 | 21 | 210 | 15 |
| | 10 | 1.25 | 39 | 400 | 29 | 44 | 440 | 32 |
| | 12 | 1.25 | 71 | 730 | 53 | 80 | 810 | 59 |
| | 14 | 1.5 | 110 | 1,100 | 80 | 125 | 1,250 | 90 |
| | 16 | 1.5 | 170 | 1,750 | 127 | – | – | – |
| 7T | 6 | 1 | 10.5 | 110 | 8 | 12 | 120 | 9 |
| | 8 | 1.25 | 25 | 260 | 19 | 28 | 290 | 21 |
| | 10 | 1.25 | 52 | 530 | 38 | 58 | 590 | 43 |
| | 12 | 1.25 | 95 | 970 | 70 | 105 | 1,050 | 76 |
| | 14 | 1.5 | 145 | 1,500 | 108 | 165 | 1,700 | 123 |
| | 16 | 1.5 | 230 | 2,300 | 166 | – | – | – |
| 8T | 8 | 1.25 | 29 | 300 | 22 | 33 | 330 | 24 |
| | 10 | 1.25 | 61 | 620 | 45 | 68 | 690 | 50 |
| | 12 | 1.25 | 110 | 1,100 | 80 | 120 | 1,250 | 90 |
| 9T | 8 | 1.25 | 34 | 340 | 25 | 37 | 380 | 27 |
| | 10 | 1.25 | 70 | 710 | 51 | 78 | 790 | 57 |
| | 12 | 1.25 | 125 | 1,300 | 94 | 140 | 1,450 | 105 |
| 10T | 8 | 1.25 | 38 | 390 | 28 | 42 | 430 | 31 |
| | 10 | 1.25 | 78 | 800 | 58 | 88 | 890 | 64 |
| | 12 | 1.25 | 140 | 1,450 | 105 | 155 | 1,600 | 116 |
| 11T | 8 | 1.25 | 42 | 430 | 31 | 47 | 480 | 35 |
| | 10 | 1.25 | 87 | 890 | 64 | 97 | 990 | 72 |
| | 12 | 1.25 | 155 | 1,600 | 116 | 175 | 1,800 | 130 |

HOW TO DETERMINE NUT STRENGTH

| | | Nut Type | | Class |
|---|---|--|--|----------|
| Present Standard Hexagon Nut | Old Standard Hexagon Nut | | | |
| | Cold Forging Nut | Cutting Processed Nut | | |
|  No Mark | | | | 4N |
|  No Mark (w/ Washer) |  No Mark (w/ Washer) |  No Mark | | 5N (4T) |
|    | | | | 6N |
| |   |   | | 7N (5T) |
|   | | | | 8N |
|   |   |  No Mark | | 10N (7T) |
|   | | | | 11N |
|   | | | | 12N |

*: Nut with 1 or more marks on one side surface of the nut.

B06432

HINT:

Use the nut with the same number of the nut strength classification or the greater than the bolt strength classification number when tightening parts with a bolt and nut.

Example: Bolt = 4T

Nut = 4N or more

2000 MR2 (RM760U)

MAINTENANCE

SERVICE DATA

SS0MG-02

| | | |
|--------------------------|---------|--------------|
| Axle and suspension | | |
| Ball joint vertical play | Maximum | 0 mm (0 in.) |

TORQUE SPECIFICATION

| Parttightened | N·m | kgf·cm | ft·lbf |
|-------------------------------|-----|--------|--------|
| Seat x Body | 37 | 375 | 27 |
| Rear suspension member x Body | 80 | 816 | 59 |

ENGINE MECHANICAL

SERVICE DATA

SS0MI-04

| | | |
|--|---|---|
| Compression pressure | STD Minimum Difference of pressure between each cylinder | 1,270 kPa (13.0 kgf/cm ² , 184 psi) at 250 rpm 1,000 kPa (10.2 kgf/cm ² , 145 psi) at 250 rpm 100 kPa (1.0 kgf/cm ² , 15 psi) or less |
| Valve clearance | Intake Exhaust Valve clearance adjusting shim No. 06 No. 08 No. 10 No. 12 No. 14 No. 16 No. 18 No. 20 No. 22 No. 24 No. 26 No. 28 No. 30 No. 32 No. 34 No. 36 No. 38 No. 40 No. 42 No. 44 No. 46 No. 48 No. 50 No. 52 No. 54 No. 56 No. 58 No. 60 No. 62 No. 64 No. 66 No. 68 No. 70 No. 72 No. 74 | 0.15 – 0.25 mm (0.006 – 0.010 in.) at cold 0.25 – 0.35 mm (0.010 – 0.014 in.) at cold 5.060 mm (0.1992 in.) 5.080 mm (0.2000 in.) 5.100 mm (0.2008 in.) 5.120 mm (0.2016 in.) 5.140 mm (0.2024 in.) 5.160 mm (0.2031 in.) 5.180 mm (0.2039 in.) 5.200 mm (0.2047 in.) 5.220 mm (0.2055 in.) 5.240 mm (0.2063 in.) 5.260 mm (0.2071 in.) 5.280 mm (0.2079 in.) 5.300 mm (0.2087 in.) 5.320 mm (0.2094 in.) 5.340 mm (0.2102 in.) 5.360 mm (0.2110 in.) 5.380 mm (0.2118 in.) 5.400 mm (0.2126 in.) 5.420 mm (0.2134 in.) 5.440 mm (0.2142 in.) 5.460 mm (0.2150 in.) 5.480 mm (0.2157 in.) 5.500 mm (0.2165 in.) 5.520 mm (0.2173 in.) 5.540 mm (0.2181 in.) 5.560 mm (0.2189 in.) 5.580 mm (0.2197 in.) 5.600 mm (0.2205 in.) 5.620 mm (0.2213 in.) 5.640 mm (0.2220 in.) 5.660 mm (0.2228 in.) 5.680 mm (0.2236 in.) 5.700 mm (0.2244 in.) 5.720 mm (0.2252 in.) 5.740 mm (0.2260 in.) |
| Ignition timing | | 8 – 12° BTDC at idle |
| Further ignition timing | | 6 – 15° BTDC at idle |
| Idle speed | | 700 ± 50 rpm |
| Chain and timing sprocket | Chain length at 16 links Camshaft timing sprocket wear (w/ chain) Crankshaft timing sprocket wear (w/ chain) | Maximum Minimum Minimum 122.6 mm (4.827 in.) 97.3 mm (3.831 in.) 51.6 mm (2.031 in.) |
| Chain tensioner slipper and vibration damper | Wear | Maximum 1.0 mm (0.039 in.) |

SERVICE SPECIFICATIONS – ENGINE MECHANICAL

| | | | | |
|-----------------------------|---|--|--|----------------------------------|
| Cylinder head | Warpage | Maximum | 0.05 mm (0.0020 in.) | |
| | Valve seat | | | |
| | Refacing angle | | 30°, 45°, 75° | |
| | Contacting angle | | 45° | |
| | Contacting width | | 1.0 – 1.4 mm (0.039 – 0.055 in.) | |
| | Residuary width | Minimum Intake | 3.3 mm (0.130 in.) | |
| | | Exhaust | 3.2 mm (0.126 in.) | |
| | Valve guide busing bore diameter | STD | 10.285 – 10.306 mm (0.4049 – 0.4057 in.) | |
| | O/S 0.05 | 10.335 – 10.356 mm (0.4068 – 0.4077 in.) | | |
| Cylinder head bolt diameter | at tension portion STD | | 9.0 – 9.2 mm (0.354 – 0.362 in.) | |
| | Minimum | | 9.0 mm (0.354 in.) | |
| Valve guide bushing | Inside diameter | | 5.510 – 5.530 mm (0.2169 – 0.2177 in.) | |
| | Protrusion height | | 8.7 – 9.1 mm (0.342 – 0.358 in.) | |
| Valve | Valve overall length | STD Intake | 88.65 mm (3.4902 in.) | |
| | | Exhaust | 88.69 mm (3.4917 in.) | |
| | | Minimum Intake | 88.35 mm (3.4783 in.) | |
| | | Exhaust | 88.39 mm (3.4799 in.) | |
| | Valve face angle | | 44.5° | |
| | Stem diameter | Intake | 5.470 – 5.485 mm (0.2154 – 0.2159 in.) | |
| | | Exhaust | 5.465 – 5.480 mm (0.2152 – 0.2157 in.) | |
| | Stem oil clearance | STD Intake | 0.025 – 0.060 mm (0.0010 – 0.0024 in.) | |
| | | Exhaust | 0.030 – 0.065 mm (0.0012 – 0.0026 in.) | |
| | | Maximum Intake | 0.08 mm (0.0031 in.) | |
| | | Exhaust | 0.10 mm (0.0039 in.) | |
| Margin thickness | STD | 1.0 mm (0.039 in.) | | |
| | Minimum | 0.7 mm (0.028 in.) | | |
| Valve spring | Deviation | Maximum | 1.6 mm (0.063 in.) | |
| | Angle (Reference) | Maximum | 2° | |
| | Free length | | 45.90 mm (1.807 in.) | |
| | Installed tension at 33.6 mm (1.323 in.) | | 139.6 – 154.4 N (14.2 – 15.8 kgf, 31.3 – 34.8 lbf) | |
| | Maximum working tension at 24.6 mm (0.969 in.) | | 244.9 – 276.1 N (25.5 – 28.1 kgf, 56.2 – 61.9 lbf) | |
| Valve lifter | Lifter diameter | | 30.966 – 30.976 mm (1.2191 – 1.2195 in.) | |
| | Lifter bore diameter | | 31.000 – 31.025 mm (1.2205 – 1.2215 in.) | |
| | Oil clearance | STD | 0.024 – 0.059 mm (0.0009 – 0.0023 in.) | |
| | Maximum | | 0.079 mm (0.0031 in.) | |
| Camshaft | Thrust clearance | STD | 0.040 – 0.095 mm (0.0016 – 0.0037 in.) | |
| | | Maximum | 0.11 mm (0.0043 in.) | |
| | Journal oil clearance | STD | 0.035 – 0.072 mm (0.0014 – 0.0028 in.) | |
| | | Maximum | 0.10 mm (0.0039 in.) | |
| | Journal diameter | No. 1 | 34.449 – 34.465 mm (1.3563 – 1.3569 in.) | |
| | | Others | 22.949 – 22.965 mm (0.9035 – 0.9041 in.) | |
| | Circle runout | Maximum | 0.03 mm (0.0012 in.) | |
| | Cam lobe height | STD Intake | 44.578 – 44.678 mm (1.7550 – 1.7590 in.) | |
| | | Exhaust | 43.761 – 43.861 mm (1.7229 – 1.7268 in.) | |
| | | Minimum Intake | 44.43 mm (1.7492 in.) | |
| Exhaust | | 43.61 mm (1.7169 in.) | | |
| Intake manifold | Warpage | Maximum | 0.10 mm (0.0039 in.) | |
| Exhaust manifold | Warpage | Maximum | 0.70 mm (0.0276 in.) | |
| Cylinder block | Cylinder head surface warpage | Maximum | 0.05 mm (0.0020 in.) | |
| | Cylinder bore diameter | STD | 79.000 – 79.013 mm (3.1102 – 3.1107 in.) | |
| | | Maximum | 79.013 mm (3.1107 in.) | |
| | 12 pointed head bearing cap sub-assembly bolt diameter at tension portion STD | | | 7.3 – 7.5 mm (0.287 – 0.295 in.) |
| | | Minimum | | 7.3 mm (0.287 in.) |

| | | | |
|-------------------------------------|--|---|--|
| Piston and piston ring | Piston diameter | | 78.925 – 78.935 mm (3.1073 – 3.1077 in.) |
| | Piston oil clearance | at 25.6 mm (1.008 in.) from the piston head | |
| | | STD | 0.065 – 0.088 mm (0.0026 – 0.0035 in.) |
| | | Maximum | 0.10 mm (0.0039 in.) |
| | Piston ring groove clearance | | 0.020 – 0.070 mm (0.0008 – 0.0028 in.) |
| | Piston ring end gap | STD No. 1 | 0.25 – 0.35 mm (0.0098 – 0.0138 in.) |
| | | No. 2 | 0.35 – 0.50 mm (0.0138 – 0.0197 in.) |
| | | Oil (Side rail) | 0.15 – 0.40 mm (0.0059 – 0.0157 in.) |
| | | Maximum No. 1 | 1.05 mm (0.0413 in.) |
| | | No. 2 | 1.20 mm (0.0472 in.) |
| | Oil (side rail) | 1.05 mm (0.0413 in.) | |
| Connecting rod | Thrust clearance | STD | 0.160 – 0.342 mm (0.0063 – 0.0135 in.) |
| | | Maximum | 0.342 mm (0.0135 in.) |
| | Connecting rod thickness | | 19.788 – 19.840 mm (0.7791 – 0.7811 in.) |
| | Connecting rod bearing center wall thickness | | |
| | Reference | Mark 1 | 1.486 – 1.490 mm (0.0585 – 0.0587 in.) |
| | | Mark 2 | 1.490 – 1.494 mm (0.0587 – 0.0588 in.) |
| | | Mark 3 | 1.494 – 1.498 mm (0.0588 – 0.0590 in.) |
| | Connecting rod oil clearance | STD | 0.028 – 0.060 mm (0.0011 – 0.0024 in.) |
| | | Maximum | 0.08 mm (0.0031 in.) |
| | Rodout-of-alignment | Maximum per/100 mm (3.94 in.) | 0.05 mm (0.0020 in.) |
| | Rod twist | Maximum per/100 mm (3.94 in.) | 0.05 mm (0.0020 in.) |
| | Bushing inside diameter | | 20.012 – 20.021 mm (0.7879 – 0.7882 in.) |
| | Piston pin diameter | | 20.004 – 20.013 mm (0.7876 – 0.7879 in.) |
| | Bushing oil clearance | STD | 0.005 – 0.011 mm (0.0002 – 0.0004 in.) |
| | | Maximum | 0.05 mm (0.0020 in.) |
| Connecting rod bolt diameter | at tension portion | STD | 6.6 – 6.7 mm (0.260 – 0.264 in.) |
| | | Minimum | 6.4 mm (0.252 in.) |
| Crankshaft | Thrust clearance | STD | 0.04 – 0.24 mm (0.0016 – 0.0094 in.) |
| | | Maximum | 0.30 mm (0.0118 in.) |
| | Thrust washer thickness | | 2.430 – 2.480 mm (0.0957 – 0.0976 in.) |
| | Main journal oil clearance | STD | 0.015 – 0.032 mm (0.0006 – 0.0013 in.) |
| | | Maximum | 0.050 mm (0.0020 in.) |
| | Main journal diameter | Mark 0 | 47.998 – 48.000 mm (1.8897 – 1.8898 in.) |
| | | Mark 1 | 47.996 – 47.998 mm (1.8896 – 1.8897 in.) |
| | | Mark 2 | 47.994 – 47.996 mm (1.8895 – 1.8896 in.) |
| | | Mark 3 | 47.992 – 47.994 mm (1.8894 – 1.8895 in.) |
| | | Mark 4 | 47.990 – 47.992 mm (1.8893 – 1.8894 in.) |
| | | Mark 5 | 47.988 – 47.990 mm (1.8892 – 1.8893 in.) |
| | Main bearing center wall thickness | | |
| | Reference | Mark 1 | 1.993 – 1.996 mm (0.0785 – 0.0786 in.) |
| | | Mark 2 | 1.996 – 1.999 mm (0.0786 – 0.0787 in.) |
| | | Mark 3 | 1.999 – 2.002 mm (0.0787 – 0.0788 in.) |
| | | Mark 4 | 2.002 – 2.005 mm (0.0788 – 0.0789 in.) |
| | Crank pin diameter | | 43.992 – 44.000 mm (1.7320 – 1.7323 in.) |
| Circle runout | Maximum | 0.03 mm (0.0012 in.) | |
| Main journal taper and out-of round | Maximum | 0.02 mm (0.0008 in.) | |
| Crank pin taper and out-of round | Maximum | 0.02 mm (0.0008 in.) | |

TORQUE SPECIFICATION

| Part tightened | | N·m | kgf·cm | ft·lbf |
|---|-----------------------|----------|----------|------------|
| Drive belt idler pulley x Drive belt idler | | 43 | 440 | 32 |
| Camshaft timing sprocket x Camshaft | | 54 | 551 | 40 |
| VVT timing sprocket x Camshaft | | 54 | 551 | 40 |
| Chain vibration damper x Cylinder block | | 9 | 92 | 80 in.·lbf |
| Chain tensioner slipper x Cylinder block | | 18.5 | 189 | 14 |
| Timing chain cover x Cylinder head, cylinder block | Bolt A | 18.5 | 189 | 14 |
| | Bolt B | 13 | 133 | 10 |
| | Bolt C | 9 | 92 | 80 in.·lbf |
| | Others | 11 | 113 | 8 |
| RH engine mounting bracket x Timing chain cover | | 47 | 479 | 35 |
| Driver belt tensioner x Timing chain cover | Bolt | 69 | 704 | 51 |
| | Nut | 29 | 296 | 21 |
| Crankshaft position sensor x Timing chain cover | | 9 | 92 | 80 in.·lbf |
| Crankshaft pulley x Crankshaft | | 138 | 1,409 | 102 |
| Chain tensioner x Timing chain cover | | 9 | 92 | 80 in.·lbf |
| Oil dipstick guide x Cylinder block | | 13 | 133 | 10 |
| Cylinder head cover x Cylinder head | w/ Washer | 9 | 92 | 80 in.·lbf |
| | w/o Washer | 11 | 113 | 8 |
| RH engine mounting insulator x RH engine mounting bracket, body | | 52 | 530 | 38 |
| Drive belt idler x Engine assembly | | 36 | 370 | 27 |
| Camshaft bearing cap x Cylinder head | No. 1 | 23 | 235 | 17 |
| | No. 3 | 13 | 133 | 10 |
| Cylinder head x Cylinder block | 1st | 49 | 500 | 36 |
| | 2nd | Turn 90° | Turn 90° | Turn 90° |
| Water bypass pipe x Cylinder head | | 9 | 92 | 80 in.·lbf |
| Intake manifold x Cylinder head | | 30 | 306 | 22 |
| Exhaust manifold x Cylinder head | | 37 | 377 | 27 |
| Exhaust manifold stay x Exhaust manifold, cylinder block | | 37 | 377 | 27 |
| Heated Oxygen sensor x Exhaust manifold | | 44 | 450 | 32 |
| Suspension upper brace x Body | Bolt | 74 | 755 | 55 |
| | Nut | 80 | 816 | 59 |
| Transaxle x Engine | 17 mm head bolt | 64 | 650 | 47 |
| | 14 mm head long bolt | 47 | 480 | 35 |
| | 14 mm head short bolt | 23 | 230 | 19 |
| Clutch cover x Flywheel | | 19 | 195 | 14 |
| Flywheel x Crankshaft | 1st | 49 | 500 | 36 |
| | 2nd | Turn 90° | Turn 90° | Turn 90° |
| Suspension member x Body | | 80 | 816 | 59 |
| Rear engine mounting insulator through bolt x nut | | 93 | 948 | 69 |
| Front engine mounting insulator through bolt x nut | | 89 | 908 | 66 |
| LH engine mounting insulator through bolt x nut | | 87 | 887 | 64 |
| A/C compressor x Cylinder block | | 25 | 255 | 18 |
| Front exhaust pipe x Tailpipe | | 43 | 438 | 32 |
| Front exhaust pipe x Exhaust manifold | | 62 | 632 | 46 |
| Accelerator cable x Throttle body | | 21 | 214 | 15 |

| | | | | |
|---|---------------------|----------|----------|------------|
| Bearing cap subassembly x Cylinder block | 12 pointed head 1st | 22 | 225 | 16 |
| | 2nd | 44 | 449 | 32 |
| | 3rd | Turn 45° | Turn 45° | Turn 45° |
| | 4th | Turn 45° | Turn 45° | Turn 45° |
| | Hexagon head | 18.5 | 189 | 14 |
| Connecting rod cap x Connecting rod | 1st | 20 | 204 | 15 |
| | 2nd | Turn 90° | Turn 90° | Turn 90° |
| Oil strainer x Bearing cap assembly | | 9 | 92 | 80 in.·lbf |
| Oil pan x Bearing cap assembly | | 9 | 92 | 80 in.·lbf |
| Oil filter union x Bearing cap assembly | | 30 | 306 | 21 |
| Engine coolant drain union x Cylinder block | | 20 | 204 | 15 |
| Knock sensor x Cylinder block | | 39 | 400 | 29 |
| Water bypass pipe x Cylinder block | | 9 | 92 | 80 in.·lbf |
| Heated oxygen sensor x Front exhaust pipe | | 44 | 450 | 32 |

EMISSION CONTROL

TORQUE SPECIFICATION

SS0MK-03

| Parttightened | N·m | kgf·cm | ft·lbf | |
|---|---------------------|--------|--------|----|
| Charcoal canister x Body | 27 | 275 | 20 | |
| Exhaust manifold x Cylinder head | 37 | 377 | 27 | |
| Exhaust manifold x No.1 exhaust manifold stay | 49 | 500 | 36 | |
| Exhaust manifold x No.2 exhaust manifold stay | 37 | 377 | 27 | |
| Front exhaust pipe x Exhaust manifold | 62 | 632 | 46 | |
| Tailpipe x Front exhaust pipe | 43 | 438 | 32 | |
| Heated oxygen sensor x Exhaust manifold | for Bank 1 sensor 1 | 44 | 450 | 33 |
| | for Bank 2 sensor 1 | 44 | 450 | 33 |

SFI

SERVICE DATA

SS0MM-05

| | | |
|-----------------------------------|--|---|
| Fuel pressure regulator | Fuel pressure | 301 – 347 kPa (3.1 – 3.5 kgf/cm ² , 44 – 50 psi) |
| Fuel pump | Resistance at 20°C (68°F) | 0.2 – 3.0 Ω |
| Injector | Resistance at 20°C (68°F) | 13.4 – 14.2 Ω |
| | Injection volume | 60 – 73 cm ³ (3.2 – 3.9 cu in.) per 15 seconds |
| | Difference between each cylinder | 13 cm ³ (0.7 cu in.) or less |
| | Fuel leakage | One drop or less per 12 minutes |
| Mass air flow meter | Resistance at –20°C (–4°F) | 13.6 – 18.4 kΩ |
| | Resistance at 20°C (68°F) | 2.21 – 2.69 kΩ |
| | Resistance at 60°C (140°F) | 0.49 – 0.67 kΩ |
| Throttle position sensor | Clearance between stop screw and lever 0 mm (0 in.) | VTA – E2 0.2 – 5.7 kΩ |
| | Throttle valve fully open | VTA – E2 2.0 – 10.2 kΩ |
| | – | VC – E2 2.5 – 5.9 kΩ |
| Camshaft timing oil control valve | Resistance at 20°C (68°F) | 6.9 – 7.9 Ω |
| VSV (EVAP) | Resistance at 20°C (68°F) | 27 – 33 Ω |
| VSV (CCV) | Resistance at 20°C (68°F) | 25 – 30 Ω |
| VSV (Pressure switching valve) | Resistance at 20°C (68°F) | 30 – 36 Ω |
| ECT sensor | Resistance at –20°C (–4°F) | 10 – 20 kΩ |
| | Resistance at 0°C (32°F) | 4 – 7 kΩ |
| | Resistance at 20°C (68°F) | 2 – 3 kΩ |
| | Resistance at 40°C (104°F) | 0.9 – 1.3 kΩ |
| | Resistance at 60°C (140°F) | 0.4 – 0.7 kΩ |
| | Resistance at 80°C (176°F) | 0.2 – 0.4 kΩ |
| Vapor pressure sensor | Power source voltage | 4.5 – 5.5 V |
| Heated oxygen sensor | Heater coil resistance at 20°C (68°F) | 11 – 16 Ω |
| | Heater coil resistance at 800°C (1,472°F) | |
| Fuel cut rpm | Fuel return rpm | 1,400 rpm |

TORQUE SPECIFICATION

| Part tightened | N·m | kgf·cm | ft·lbf |
|---|---------------------|--------|------------|
| Fuel pump x Fuel tank | 3.4 | 35 | 30 in.·lbf |
| Delivery pipe x Cylinder head | 19 | 190 | 13 |
| Suspension upper brace x Body | (Bolt) | 74 | 55 |
| | (Nut) | 80 | 59 |
| No. 2 cylinder head cover x Cylinder head cover | 7.0 | 71 | 62 in.·lbf |
| Fuel tank x Body | 33 | 337 | 24 |
| Throttle body x Intake manifold | 30 | 306 | 22 |
| Camshaft timing oil control valve x Cylinder head | 9.0 | 92 | 80 in.·lbf |
| Engine coolant temperature sensor x Cylinder head | 20.4 | 208 | 15 |
| Knock sensor x Cylinder block | 39 | 398 | 29 |
| Intake manifold x Cylinder head | 30 | 306 | 22 |
| Heated oxygen sensor x Exhaust manifold | for Bank 1 sensor 1 | 44 | 33 |
| | for Bank 2 sensor 1 | 44 | 33 |
| Heated oxygen sensor x Front exhaust pipe | for Bank 1 sensor 2 | 44 | 33 |

COOLING

SERVICE DATA

SS0MO-03

| | | |
|----------------------|--|---|
| Thermostat | Valve opening temperature Valve lift at 90 °C (194 °F) | 80 – 84 °C (176 – 183.2 °F) 10 mm (0.39 in.) or more |
| Radiator cap | Relief valve opening pressure STD Minimum | 93 – 123 kPa (0.95 – 1.25 kgf/cm ² , 13.5 – 17.8 psi) 79 kPa (0.8 kgf/cm ² , 11.5 psi) |
| Electric cooling fan | Rotating amperage | 5.7 – 7.7 A |

TORQUE SPECIFICATION

| Part tightened | N·m | kgf·cm | ft·lbf |
|---|------|--------|------------|
| Drain plug x Engine coolant drain union on cylinder block | 13 | 133 | 9.6 |
| Drain plug x Radiator pipe | 16.5 | 168 | 12 |
| Water pump x Timing chain cover | 9 | 92 | 80 in.·lbf |
| Water pump x Cylinder block | 11 | 113 | 8 |
| Water inlet x Cylinder block | 9 | 90 | 80 in.·lbf |
| Radiator upper support x Body | 12.5 | 128 | 9 |
| Spear wheel carrier extension x Body | 8 | 82 | 70 in.·lbf |
| Radiator x Fan shroud | 5 | 51 | 44 in.·lbf |
| Fan x Fan motor | 6.18 | 63 | 55 in.·lbf |
| Fan shroud x Fan motor | 2.55 | 26 | 23 in.·lbf |

LUBRICATION

SERVICE DATA

SS0MQ-04

| | | | |
|--------------|----------------|-------------------------------|--|
| Oil pressure | | at idle speed at 3,000 rpm | 29 kPa (0.3 kgf/cm ² , 43 psi) or more 294 – 539 kPa (3.0 – 5.5 kgf/cm ² , 43 – 78 psi) |
| Oil pump | Side clearance | STD | 0.025 – 0.071 mm (0.0010 – 0.0028 in.) |
| | | Maximum | 0.71 mm (0.028 in.) |
| | Tip clearance | STD | 0.040 – 0.160 mm (0.0016 – 0.0063 in.) |
| | | Maximum | 0.160 mm (0.0063 in.) |
| | Body clearance | STD | 0.200 – 0.325 mm (0.0102 – 0.0130 in.) |
| | | Maximum | 0.325 mm (0.0130 in.) |

TORQUE SPECIFICATION

| Part tightened | N·m | kgf·cm | ft·lbf |
|--|------|--------|------------|
| Oil pressure switch x Bearing cap sub-assembly | 13 | 130 | 9 |
| Drain plug x Oil pan | 37 | 378 | 27 |
| Oil pump body cover x Oil pump body | 10.3 | 105 | 8 |
| Plug x Oil pump | 37 | 375 | 27 |
| Oil pump x Cylinder block | 8 | 81.5 | 72 in.·lbf |

IGNITION**SERVICE DATA**

SS0MS-09

| | | | |
|----------------------------|------------------------|------------|----------------------------------|
| Spark plug | Recommended spark plug | DENSO made | SK16R11 |
| | | NGK made | IFR5A11 |
| Electrode gap | Resistance | DENSO made | 1.0 – 1.1 mm (0.039 – 0.043 in.) |
| | | NGK made | 1.0 – 1.1 mm (0.039 – 0.043 in.) |
| Camshaft position sensor | Resistance | at cold | 835 – 1,400 Ω |
| | | at hot | 1,060 – 1,645 Ω |
| Crankshaft position sensor | Resistance | at cold | 1,630 – 2,740 Ω |
| | | at hot | 2,065 – 3,225 Ω |

TORQUE SPECIFICATION

| Part tightened | N·m | kgf·cm | ft·lbf |
|--|--------|--------|------------|
| Spark plug x Cylinder head | 25 | 255 | 19 |
| Ignition coil (w/ Igniter) x Cylinder head cover | 9.0 | 92 | 80 in.·lbf |
| No. 2 cylinder head cover x Cylinder head cover | 7.0 | 71 | 62 in.·lbf |
| Suspension upper brace x Body | (Bolt) | 74 | 55 |
| | (Nut) | 80 | 59 |
| Camshaft position sensor x Cylinder head | 9.0 | 92 | 80 in.·lbf |
| Crankshaft position sensor x Timing chain cover | 9.0 | 92 | 80 in.·lbf |
| A/C compressor x Engine block | 25 | 255 | 18 |

STARTING

SERVICE DATA

SS0MU-03

| | | | |
|------------------------|--------------------------------|--------------------|--|
| Starter | Rated voltage and output power | | 12 V 1.4 kW |
| | No-load characteristics | Current | 90 A or less at 11.5 V |
| | | rpm | 3,000 rpm or more |
| | Brush length | STD | 15.5 mm (0.610 in.) |
| | | Minimum | 10.0 mm (0.394 in.) |
| | Spring installed load | STD | 17.6 – 23.5 N (1.8 – 2.4 kgf, 4.0 – 5.3 lbf) |
| | | Minimum | 11.8 N (1.2 kgf, 2.6 lbf) |
| | Commutator | | |
| | | Diameter | STD |
| | Undercut depth | Minimum | 29.0 mm (1.412 in.) |
| | | STD | 0.6 mm (0.024 in.) |
| | Circle runout | Minimum | 0.2 mm (0.008 in.) |
| | | Maximum | 0.05 mm (0.0020 in.) |
| | Magnetic switch | | |
| Contact plate for wear | Maximum | 0.9 mm (0.035 in.) | |

TORQUE SPECIFICATION

| Parttightened | N·m | kgf·cm | ft·lbf |
|--|-----|--------|------------|
| Starter x Transaxle | 37 | 380 | 28 |
| End cover x Brush holder | 1.5 | 15 | 13 in.·lbf |
| Starter housing x Magnetic switch | 5.9 | 60 | 52 in.·lbf |
| End cover x Starter housing | 5.9 | 60 | 52 in.·lbf |
| Lead wire x Terminal C of starter | 5.9 | 60 | 52 in.·lbf |
| Terminal nut x Terminal C of starter, Terminal 30 of starter | 17 | 170 | 12 |
| Magnetic switch end cover x Magnetic switch | 2.5 | 26 | 23 in.·lbf |

CHARGING

SERVICE DATA

SS0MW-04

| | | | |
|----------------------|-----------------------|------------------|------------------------------------|
| Battery | Voltage | at 20° C (68° F) | 12.5 – 12.9 V |
| | Specific gravity | at 20° C (68° F) | 1.25 – 1.29 |
| Generator | Rated output | | 12 V 80 A |
| | Rotor coil resistance | | 2.1 – 2.5 Ω |
| | Slip ring diameter | STD | 14.2 – 14.4 mm (0.559 – 0.567 in.) |
| | | Minimum | 12.8 mm (0.504 in.) |
| Brush exposed length | | STD | 9.5 – 11.5 mm (0.374 – 0.453 in.) |
| | | Minimum | 1.5 mm (0.059 in.) |
| Voltage regulator | Regulating voltage | | 13.2 – 14.0 V |

TORQUE SPECIFICATION

| Part tightened | | N·m | kgf·cm | ft·lbf |
|---|-------|-------|--------|------------|
| Bearing retainer x Drive end frame | | 3.0 | 31 | 27 in.·lbf |
| Rectifier end frame x Drive end frame | Nut A | 4.5 | 46 | 40 in.·lbf |
| | Nut B | 5.4 | 55 | 48 in.·lbf |
| Generator pulley x Rotor | | 110.5 | 1,125 | 81 |
| Rectifier end frame x Brush holder, Voltage regulator | | 2.0 | 20 | 18 in.·lbf |
| Rectifier holder x Coil lead on rectifier end frame | | 2.9 | 30 | 26 in.·lbf |
| Rear end cover x Rectifier holder | | 4.4 | 45 | 39 in.·lbf |
| Plate terminal x Rectifier holder | Nut | 4.4 | 45 | 39 in.·lbf |
| | Bolt | 3.9 | 39 | 35 in.·lbf |
| Terminal insulator x Rectifier holder | | 4.1 | 42 | 36 in.·lbf |
| Generator x RH engine mount bracket | | 25 | 255 | 18 |
| Generator x Cylinder block | | 54 | 550 | 40 |

CLUTCH

SERVICE DATA

SS09I-04

| | | |
|--|------------|--------------------------------------|
| Pedal height from asphalt sheet | | 128.2 – 138.2 mm (5.047 – 5.441 in.) |
| Pedal freeplay | | 1.0 – 5.0 mm (0.039 – 0.197 in.) |
| Push rod play at pedal top | | 5.0 – 15.0 mm (0.197 – 0.591 in.) |
| Clutch release point from pedal full stroke end position | | 25 mm (0.98 in.) or more |
| Slotted spring pin protrusion | | 1.5 – 2.5 mm (0.059 – 0.098 in.) |
| Disc rivet head depth | Min. | 0.3 mm (0.012 in.) |
| Disc runout | Max. | 0.8 mm (0.031 in.) |
| Flywheel runout | Max. | 0.1 mm (0.004 in.) |
| Diaphragm spring finger wear | Max. depth | 0.5 mm (0.020 in.) |
| Diaphragm spring finger wear | Max. width | 6.0 mm (0.236 in.) |
| Diaphragm spring tip non-alignment | Max. | 0.5 mm (0.020 in.) |

TORQUE SPECIFICATION

| Part tightened | N·m | kgf·cm | ft·lbf |
|------------------------------------|-----|--------|--------|
| Clutch line union | 20 | 204 | 15 |
| for use with SST | 18 | 185 | 13 |
| Master cylinder installation nut | 12 | 120 | 9 |
| Release cylinder installation bolt | 12 | 120 | 9 |
| Flywheel set bolt | 49 | 500 | 36 |
| Clutch cover x Flywheel | 19 | 195 | 14 |
| Release fork support | 37 | 375 | 27 |

MANUAL TRANSAXLE

SERVICE DATA

SS02P-04

| | | |
|--|-------------|---|
| Input shaft roller bearing journal diameter | Min. | 24.985 mm (0.9837 in.) |
| Input shaft 3rd gear journal diameter | Min. | 30.985 mm (1.2199 in.) |
| Input shaft 4th gear journal diameter | Min. | 28.985 mm (1.1411 in.) |
| Input shaft 5th gear journal diameter | Min. | 24.885 mm (0.9797 in.) |
| Input shaft runout | Max. | 0.03 mm (0.0012 in.) |
| Output shaft roller bearing journal diameter | Min. | 32.985 mm (1.2986 in.) |
| Output shaft 1st gear journal diameter | Min. | 37.985 mm (1.4955 in.) |
| Output shaft 2nd gear journal diameter | Min. | 31.985 mm (1.2592 in.) |
| Output shaft runout | Max. | 0.03 mm (0.0012 in.) |
| Gear thrust clearance 1st | STD Max. | 0.10 – 0.40 mm (0.0039 – 0.0157 in.) 0.40 mm (0.0157 in.) |
| Gear thrust clearance 2nd | STD Max. | 0.10 – 0.55 mm (0.0039 – 0.0217 in.) 0.55 mm (0.0217 in.) |
| Gear thrust clearance 3rd | STD Max. | 0.10 – 0.35 mm (0.0039 – 0.0138 in.) 0.35 mm (0.0138 in.) |
| Gear thrust clearance 4th | STD Max. | 0.10 – 0.55 mm (0.0039 – 0.0217 in.) 0.55 mm (0.0217 in.) |
| Gear thrust clearance 5th | STD Max. | 0.10 – 0.57 mm (0.0039 – 0.0224 in.) 0.57 mm (0.0224 in.) |
| Gear radial clearance 1st, 2nd, 3rd, 4th and 5th (KOYO made) | STD Max. | 0.015 – 0.058 mm (0.0006 – 0.0023 in.) 0.058 mm (0.0023 in.) |
| Gear radial clearance 1st, 2nd, 3rd, 4th and 5th (NSK made) | STD Max. | 0.015 – 0.056 mm (0.0006 – 0.0022 in.) 0.056 mm (0.0022 in.) |
| No. 3 gear shift fork to No. 3 hub sleeve clearance | Max. | 0.5 mm (0.020 in.) |
| No. 2 gear shift fork to No. 2 hub sleeve clearance | Max. | 0.35 mm (0.014 in.) |
| No. 1 gear shift fork to reverse gear clearance | Max. | 0.35 mm (0.014 in.) |
| Synchronizer ring to gear clearance 1st, 4th | Min. | 0.75 mm (0.0295 in.) |
| Synchronizer ring to gear clearance 2nd | Min. | 0.70 mm (0.0276 in.) |
| Synchronizer ring to gear clearance 3rd | Min. | 0.65 mm (0.0256 in.) |
| Synchronizer ring to gear clearance 5th | Min. | 0.75 mm (0.030 in.) |
| Depth | | |
| Input shaft front oil seal | | 15.8 ± 0.2 mm (0.622 ± 0.008 in.) |
| Input shaft front bearing | | 0 – 0.3 mm (0 – 0.012 in.) |
| Control shaft cover bushing | | 0.65 ± 0.25 mm (0.0256 ± 0.0098 in.) |
| Control shaft cover oil seal | | 0.70 ± 0.50 mm (0.0276 ± 0.0197 in.) |
| Transmission case oil seal | | 9.9 ± 0.3 mm (0.390 ± 0.012 in.) |
| Transaxle case oil seal | | 1.9 ± 0.3 mm (0.075 ± 0.012 in.) |
| Select inner lever slotted spring pin | | 0 ± 0.5 mm (0 ± 0.020 in.) |
| No. 1 shift inner lever slotted spring pin | | 0 ± 0.5 mm (0 ± 0.020 in.) |
| No. 2 shift inner lever slotted spring pin | | 3.5 ± 0.5 mm (0.138 ± 0.020 in.) |

SERVICE SPECIFICATIONS – MANUAL TRANSAXLE

| | |
|---|---|
| <p>Input shaft snap ring thickness</p> <p>No.2 clutch hub</p> <p>Mark 0</p> <p>Mark 1</p> <p>Mark 2</p> <p>Mark 3</p> <p>Mark 4</p> <p>Mark 5</p> <p>Rear radial ball bearing</p> <p>Mark A</p> <p>Mark B</p> <p>Mark C</p> <p>Mark D</p> <p>Mark E</p> <p>Mark F</p> | <p>2.30 mm (0.0906 in.)</p> <p>2.36 mm (0.0929 in.)</p> <p>2.42 mm (0.0953 in.)</p> <p>2.48 mm (0.0976 in.)</p> <p>2.54 mm (0.1000 in.)</p> <p>2.60 mm (0.1024 in.)</p> <p>2.29 mm (0.0902 in.)</p> <p>2.35 mm (0.0925 in.)</p> <p>2.41 mm (0.0949 in.)</p> <p>2.47 mm (0.0972 in.)</p> <p>2.53 mm (0.0996 in.)</p> <p>2.59 mm (0.1020 in.)</p> |
| <p>Output shaft snap ring thickness</p> <p>No.1 clutch hub</p> <p>Mark A</p> <p>Mark B</p> <p>Mark C</p> <p>Mark D</p> <p>Mark E</p> <p>Mark F</p> <p>Front bearing inner race</p> <p>Mark 7</p> <p>Mark 8</p> <p>Mark 1</p> <p>Mark 2</p> <p>Mark 3</p> <p>Mark 4</p> <p>Mark 5</p> <p>Mark 6</p> <p>No.3 clutch hub</p> <p>Mark A</p> <p>Mark B</p> <p>Mark C</p> <p>Mark D</p> <p>Mark E</p> <p>Mark F</p> <p>Mark G</p> | <p>2.50 mm (0.0984 in.)</p> <p>2.56 mm (0.1008 in.)</p> <p>2.62 mm (0.1031 in.)</p> <p>2.68 mm (0.1055 in.)</p> <p>2.74 mm (0.1079 in.)</p> <p>2.80 mm (0.1102 in.)</p> <p>1.85 mm (0.0728 in.)</p> <p>1.90 mm (0.0748 in.)</p> <p>1.95 mm (0.0768 in.)</p> <p>2.00 mm (0.0787 in.)</p> <p>2.05 mm (0.0807 in.)</p> <p>2.10 mm (0.0827 in.)</p> <p>2.15 mm (0.0846 in.)</p> <p>2.20 mm (0.0866 in.)</p> <p>2.25 mm (0.0886 in.)</p> <p>2.31 mm (0.0909 in.)</p> <p>2.37 mm (0.0933 in.)</p> <p>2.43 mm (0.0957 in.)</p> <p>2.49 mm (0.0980 in.)</p> <p>2.55 mm (0.1004 in.)</p> <p>2.61 mm (0.1028 in.)</p> |
| <p>In case that w/o LSD</p> <p>Differential tapered roller bearing preload (at starting)(For use with SST)</p> <p>New bearing</p> <p>Reused bearing</p> | <p>0.78 – 1.57 N·m (7.96 – 16.0 kgf·cm, 6.9 – 13.9 in.-lbf)</p> <p>0.49 – 0.98 N·m (5.0 – 10.0 kgf·cm, 4.3 – 8.7 in.-lbf)</p> |
| <p>In case that w/o LSD</p> <p>Differential tapered roller bearing preload (at starting)(For use with SST)</p> <p>New bearing</p> <p>Reused bearing</p> | <p>0.17 – 0.35 N·m (1.73 – 3.57 kgf·cm, 1.50 – 3.10 in.-lbf)</p> <p>0.11 – 0.22 N·m (1.12 – 2.24 kgf·cm, 0.97 – 1.95 in.-lbf)</p> |
| <p>Differential pinion to side gear backlash</p> | <p>0.05 mm – 0.20 mm (0.0020 – 0.0079 in.)</p> |
| <p>Differential side gear thrust washer thickness</p> | <p>0.95 mm (0.0374 in.)</p> <p>1.00 mm (0.0394 in.)</p> <p>1.05 mm (0.0413 in.)</p> <p>1.10 mm (0.0433 in.)</p> <p>1.15 mm (0.0453 in.)</p> <p>1.20 mm (0.0472 in.)</p> |

| | | |
|--|---------|----------------------|
| Differential tapered roller bearing adjusting shim thickness | Mark AA | 2.10 mm (0.0827 in.) |
| | Mark BB | 2.15 mm (0.0846 in.) |
| | Mark CC | 2.20 mm (0.0866 in.) |
| | Mark DD | 2.25 mm (0.0886 in.) |
| | Mark EE | 2.30 mm (0.0906 in.) |
| | Mark FF | 2.35 mm (0.0925 in.) |
| | Mark GG | 2.40 mm (0.0945 in.) |
| | Mark HH | 2.45 mm (0.0965 in.) |
| | Mark JJ | 2.50 mm (0.0984 in.) |
| | Mark KK | 2.55 mm (0.1004 in.) |
| | Mark LL | 2.60 mm (0.1024 in.) |
| | Mark MM | 2.65 mm (0.1043 in.) |
| | Mark NN | 2.70 mm (0.1063 in.) |
| | Mark PP | 2.75 mm (0.1083 in.) |
| | Mark QQ | 2.80 mm (0.1102 in.) |
| | Mark RR | 2.85 mm (0.1122 in.) |
| | Mark SS | 2.90 mm (0.1142 in.) |
| | Mark TT | 2.95 mm (0.1161 in.) |
| | Mark UU | 3.00 mm (0.1181 in.) |

TORQUE SPECIFICATION

| Part tightened | | N·m | kgf·cm | ft·lbf |
|--|----------------------|-----|--------|--------|
| Engine hood x Body | | 20 | 204 | 15 |
| Suspension upper brace x Body | Bolt | 74 | 755 | 55 |
| | Nut | 80 | 816 | 59 |
| Battery carrier x Body | | 24 | 245 | 18 |
| Control cable bracket x Transaxle | | 25 | 255 | 18 |
| Transaxle x Engine (From transaxle side) | | 64 | 650 | 47 |
| No.1 and No.2 engine hangers set bolt | | 38 | 387 | 28 |
| Left engine mounting insulator | Through bolt and nut | 87 | 887 | 64 |
| | Bolt | 52 | 530 | 38 |
| Left engine mounting bracket x Transaxle | | 52 | 530 | 38 |
| Filler and drain plugs | | 39 | 400 | 29 |
| Clutch release cylinder x Transaxle | | 12 | 120 | 9 |
| Front engine mounting bracket | Through bolt and nut | 93 | 949 | 69 |
| | Bolt | 78 | 796 | 56 |
| Front engine mounting insulator x Body | | 54 | 551 | 40 |
| Starter x Transaxle | | 37 | 378 | 28 |
| Rear engine mounting insulator | Through bolt and nut | 93 | 949 | 69 |
| | Bolt | 89 | 908 | 66 |
| Transaxle x Engine (From engine side) | Bolt A | 47 | 480 | 35 |
| | Bolt B | 23 | 230 | 17 |
| Back-up light switch | | 40 | 410 | 30 |
| Control cable bracket x Transaxle case | | 25 | 250 | 18 |
| Control shaft assembly | | 12 | 122 | 9 |
| Selecting bellcrank assembly x Transaxle case | | 20 | 204 | 15 |
| Shifting bellcrank assembly x Transmission case | | 20 | 204 | 15 |
| Lever lock pin set nut | | 12 | 122 | 9 |
| Transmission case x Transmission case cover | | 18 | 185 | 13 |
| Lock ball assembly (Shift and select lever shaft side) | | 29 | 300 | 22 |
| Control shaft cover x Transmission case | | 20 | 200 | 14 |
| 5th driven gear lock nut | | 118 | 1,200 | 87 |
| No.1, No.2 and No.3 gear shift forks set bolt | | 16 | 160 | 12 |
| Rear bearing retainer x Transmission case | | 27 | 280 | 20 |
| Reverse idler gear shaft lock bolt | | 29 | 300 | 22 |
| Straight screw plug | | 25 | 250 | 18 |
| Lock ball assembly (Reverse shift fork side) | | 39 | 400 | 29 |
| Transmission case x Transaxle case | | 29 | 300 | 22 |
| Oil receiver pipe set bolt | | 17 | 175 | 13 |
| Reverse shift arm bracket x Transaxle case | | 17 | 175 | 13 |
| No.1 gear shift head set bolt | | 16 | 160 | 12 |
| Output shaft front bearing lock plate set bolt | | 11 | 115 | 8 |
| Transaxle case receiver x Transaxle case | | 11 | 115 | 8 |
| Straight screw plug (Reverse restrict pin) | | 13 | 130 | 9 |
| Differential case x Ring gear | w/o LSD | 77 | 790 | 57 |
| | w/ LSD | 101 | 1,030 | 74 |

| | | | |
|---------------------------------------|-----|----|------------|
| Shift and select control cable x Body | 4.9 | 50 | 43 in.·lbf |
| Shift lever assembly x Body | 12 | 50 | 43 |

SUSPENSION AND AXLE

SS04W-09

SERVICE DATA

| | | | |
|------------------------------|---|--|--|
| Cold tire inflation pressure | 185/55R15 81V 205/50R15 85V | Front Rear | 180 kPa (1.8 kgf/cm ² , 26 psi) 220 kPa (2.2 kgf/cm ² , 32 psi) |
| Front Wheel alignment | Vehicle height | Front*1 Rear*2 | 204 mm (8.03 in.) 270 mm (10.63 in.) |
| | Camber | Right-left error | -0°47' ± 45' (-0.78° ± 0.75°) 45' (0.75°) or less |
| | Caster | Right-left error | 3°08' ± 45' (3.13° ± 0.75°) 45' (0.75°) or less |
| | Steering axis inclination | Right-left error | 14°52' ± 45' (14.87° ± 0.75°) 45' (0.75°) or less |
| | Toe-in (total) | Rack end length difference | 0°09' ± 12' (0.15° ± 0.2°, 1.5 ± 2 mm, 0.06 ± 0.08 in.) 1.5 mm (0.059 in.) or less |
| | Wheel angle | Inside wheel Outside wheel: Reference | 38°03' ± 2° (38.05° ± 2°) 32°56' (32.93°) |
| Rear wheel alignment | Camber | Right-left error | -1°05' ± 45' (-1.08° ± 0.75°) 45' (0.75°) or less |
| | Toe-in (total) | Right-left error | 0°18' ± 12' (0.3° ± 0.2°, 3 ± 2 mm, 0.12 ± 0.08 in.) 0.3 mm (0.012 in.) or less |
| Front axle | Axle bearing backlash | Maximum | 0.05 mm (0.0020 in.) |
| | Axle hub deviation | Maximum | 0.07 mm (0.0028 in.) |
| Front suspension | Lower ball joint turning torque | | 0.59 – 3.43 N·m (6 – 35 kgf·cm, 5.2 – 30 in.-lbf) |
| | Stabilizer bar link ball joint turning torque | | 0.05 – 1.0 N·m (0.5 – 10 kgf·cm, 0.4 – 8.7 in.-lbf) |
| Rear axle | Axle bearing backlash | Maximum | 0.05 mm (0.0020 in.) |
| | Axle hub deviation | Maximum | 0.07 mm (0.0028 in.) |
| Rear drive shaft | Drive shaft standard length | RH | 814.1 ± 5.0 mm (32.051 ± 0.197 in.) |
| | | LH | 570.4 ± 5.0 mm (22.457 ± 0.197 in.) |
| Rear suspension | Stabilizer bar link ball joint turning torque | | 0.05 – 1.0 N·m (0.5 – 10 kgf·cm, 0.4 – 8.7 in.-lbf) |

*1: Front measuring point

Measure the distance from the ground to the center of the front side lower suspension arm mounting bolt.

*2: Rear measuring point

Measure the distance from the ground to the center of the front side strut rod mounting bolt.

TORQUE SPECIFICATION

| Parttightened | N·m | kgf·cm | ft·lbf |
|--|-----|--------|------------|
| FRONT AXLE | | | |
| Hub nut | 103 | 1,050 | 76 |
| Tie rod end lock nut | 47 | 479 | 35 |
| Steering knuckle x Shock absorber | 140 | 1,430 | 103 |
| Brake caliper x Steering knuckle | 109 | 1,112 | 80 |
| Axle hub x Steering knuckle | 56 | 571 | 41 |
| Steering knuckle x Tie rod end | 49 | 500 | 36 |
| Lower suspension arm x Steering knuckle | 98 | 1,000 | 72 |
| FRONT SUSPENSION | | | |
| Suspension support x Body | 39 | 400 | 29 |
| Shock absorber center nut | 51 | 520 | 38 |
| Flexible hose x Shock absorber | 29 | 296 | 21 |
| ABS speed sensor wire harness x Shock absorber | 8.0 | 82 | 71 in.·lbf |
| Lower suspension arm, suspension member brace x Body | 73 | 745 | 54 |
| Lower suspension arm x Suspension member | 87 | 887 | 64 |
| Suspension member brace x Body | 75 | 765 | 55 |
| Stabilizer bar bracket x Body | 30 | 306 | 22 |
| Stabilizer bar link x Stabilizer bar | 44 | 449 | 32 |
| Stabilizer bar link x Lower suspension arm | 18 | 184 | 13 |
| REAR AXLE | | | |
| Hub nut | 103 | 1,050 | 76 |
| Axle carrier x Shock absorber | 173 | 1,765 | 128 |
| Brake caliper x Axle carrier | 59 | 602 | 34 |
| Axle hub x Drive shaft | 216 | 2,200 | 159 |
| ABS speed sensor x Axle carrier | 8.0 | 82 | 71 in.·lbf |
| ABS speed sensor wire harness clamp x Axle carrier | 5.0 | 51 | 44 in.·lbf |
| Strut rod x Axle carrier | 78 | 796 | 58 |
| No. 1 lower suspension arm x Axle carrier | 103 | 1,051 | 76 |
| No. 2 lower suspension arm x Axle carrier | 49 | 500 | 36 |
| Dust cover x Axle carrier | 8.3 | 85 | 74 in.·lbf |
| REAR DRIVE SHAFT | | | |
| Drive shaft center bearing case lock bolt | 64 | 650 | 47 |
| REAR SUSPENSION | | | |
| Flexible hose x Shock absorber | 29 | 296 | 21 |
| Suspension support x Body | 80 | 816 | 59 |
| Shock absorber center nut | 73 | 745 | 54 |
| Strut rod x Suspension member | 78 | 796 | 58 |
| No. 1 lower suspension arm x Suspension member | 87 | 887 | 64 |
| No. 2 lower suspension arm x Suspension member | 87 | 887 | 64 |
| Stabilizer bar bracket set bolt | 39 | 398 | 29 |
| Stabilizer bar link set nut | 44 | 449 | 32 |

BRAKE

SERVICE DATA

SSOLM-03

| | | |
|---|---------|--------------------------------------|
| Brake pedal height from asphalt sheet | | 142.1 – 152.1 mm (5.594 – 5.988 in.) |
| Brake pedal freeplay | | 1 – 6 mm (0.04 – 0.24 in.) |
| Stop light switch clearance | | 0.5 – 2.4 mm (0.020 – 0.094 in.) |
| Brake pedal reserve distance at 490 N (50 kgf, 110.2 lbf) | | More than 85 mm (3.35 in.) |
| Brake booster push rod to piston clearance (w/ SST) | | 0 mm (0 in.) |
| Front brake pad thickness | STD | 11.0 mm (0.433 in.) |
| Front brake pad thickness | Minimum | 1.0 mm (0.039 in.) |
| Front brake disc thickness | STD | 20.0 mm (0.787 in.) |
| Front brake disc thickness | Minimum | 18.0 mm (0.709 in.) |
| Front brake disc runout | Maximum | 0.05 mm (0.0020 in.) |
| Rear brake pad thickness | STD | 10.0 mm (0.394 in.) |
| Rear brake pad thickness | Minimum | 1.0 mm (0.039 in.) |
| Rear brake disc thickness | STD | 16.0 mm (0.630 in.) |
| Rear brake disc thickness | Minimum | 15.0 mm (0.591 in.) |
| Rear brake disc runout | Maximum | 0.10 mm (0.0039 in.) |
| Parking brake crank clearance | STD | 0.38 – 1.02 mm (0.0150 – 0.0416 in.) |
| Parking brake lever travel at 196N (20 Kgf, 44.1 lbf) | | 5 – 8 clicks |

TORQUE SPECIFICATION

| Part tightened | N·m | kgf·cm | ft·lbf |
|---|-----|--------|------------|
| Brake booster clevis lock nut | 26 | 265 | 19 |
| Pedal bracket x Reinforcement | 20 | 204 | 15 |
| Brake pedal x Pedal bracket | 37 | 375 | 27 |
| Parking brake adjusting nut x Lock nut | 5.4 | 55 | 48 in.·lbf |
| Master cylinder x Brake booster | 13 | 130 | 9 |
| Brake line union nut | 15 | 155 | 11 |
| for use with SST | 14 | 143 | 10 |
| Brake booster x Pedal bracket | 13 | 130 | 9 |
| Front disc brake caliper installation bolt | 34 | 350 | 25 |
| Hub nut | 103 | 1,050 | 76 |
| Brake caliper x Flexible hose | 30 | 310 | 22 |
| Bleeder plug | 8.3 | 85 | 73 in.·lbf |
| Front disc brake torque plate x Steering knuckle | 109 | 1,112 | 80 |
| Rear disc brake caliper installation bolt | 20 | 204 | 15 |
| Flexible hose x Shock absorber | 29 | 296 | 21 |
| Rear disc brake torque plate x Knuckle | 59 | 60 | 44 |
| Rear caliper cable support bracket x Caliper body | 47 | 479 | 35 |
| ABS actuator x ABS actuator bracket assembly | 5.4 | 55 | 48 in.·lbf |
| ABS actuator assembly x Body | 19 | 195 | 14 |
| Front speed sensor harness clamp bolt | 5.0 | 51 | 44 in.·lbf |
| Rear speed sensor harness clamp bolt | 19 | 195 | 14 |
| Body side | 5.0 | 51 | 44 in.·lbf |
| Lower arm side | | | |
| Rear speed sensor installation bolt | 8.0 | 82 | 71 in.·lbf |

STEERING

SERVICE DATA

SS16Y-04

| POWER STEERING FLUID | | |
|---|------------------------------|---|
| Fluid level rise | Maximum | 5 mm (0.20 in.) |
| Fluid pressure at idle speed with valve closed | Minimum | 4,900 kPa (50 kgf/cm ² , 711 psi) |
| STEERING WHEEL | | |
| Steering wheel free play | Maximum | 30 mm (1.18 in.) |
| Steering effort at idle speed | Reference | 6.5 N·m (65 kgf·cm, 58 in.-lbf) |
| POWER STEERING VANE PUMP | | |
| Vane plate height | Minimum | 5.4 mm (0.213 in.) |
| Vane plate thickness | Minimum | 0.882 mm (0.0347 in.) |
| Vane plate length | Minimum | 4.596 mm (0.1809 in.) |
| Vane plate and vane pump rotor groove clearance | Maximum | 0.023 mm (0.0009 in.) |
| Vane plate length | pump rotor and cam ring mark | |
| | 0 | 4.604 – 4.606 mm (0.18126 – 0.18134 in.) |
| | 1 | 4.602 – 4.604 mm (0.18118 – 0.18126 in.) |
| | 2 | 4.600 – 4.602 mm (0.18110 – 0.18118 in.) |
| | 3 | 4.598 – 4.600 mm (0.18102 – 0.18110 in.) |
| | 4 | 4.596 – 4.598 mm (0.18094 – 0.18102 in.) |
| Spring free length | Minimum | 28.7 mm (1.130 in.) |
| POWER STEERING GEAR | | |
| Steering rack runout | Maximum | 0.1 mm (0.004 in.) |
| Total preload | Turning | 0.8 – 1.3 N·m (8 – 13 kgf·cm, 6.9 – 11.3 in.-lbf) |

TORQUE SPECIFICATION

| Part/tightened | N·m | kgf·cm | ft·lbf |
|--|--------------------------------|-----------|-------------|
| TILT STEERING COLUMN | | | |
| Adjusting nut | See page SR-16 | | |
| No. 2 tilt lever lock bolt | 5.4 | 55 | 48 in.·lbf |
| Tilt steering support x Column tube | 15 | 155 | 11 |
| No. 2 intermediate shaft assembly x Main shaft assembly | 35 | 360 | 26 |
| Column assembly set bolt and nut | 21 | 210 | 15 |
| No. 2 intermediate shaft assembly x Control valve assembly | 35 | 360 | 26 |
| Steering wheel set nut | 34 | 350 | 25 |
| Steering wheel pad set screw (Torx screw) | 8.8 | 90 | 78 in.·lbf |
| POWER STEERING VANE PUMP | | | |
| Rear housing set bolt | 8.5 | 90 | 7.5 in.·lbf |
| Reservoir clamp bolt | 7.0 | 70 | 61 in.·lbf |
| PS vane pump set bolt and nut | 19 | 190 | 14 |
| Pressure feed tube x PS vane pump assembly | 39.5 (43) | 400 (440) | 29 (32) |
| POWER STEERING GEAR | | | |
| Control valve housing x Rack housing | 21 | 210 | 15 |
| Control valve self-locking nut | 24.5 | 250 | 18 |
| Rack guide spring cap lock nut x Rack housing | 28 (39) | 290 (400) | 21 (29) |
| Rack end x Steering rack | 62 (83) | 630 (850) | 46 (61) |
| Tie rod end lock nut | 47 | 480 | 35 |
| Turn pressure tube x Rack housing | 10 (13) | 100 (130) | 7 (9) |
| Pressure feed tube assembly x PS gear assembly | 22.5 (24.5) | 230 (250) | 17 (18) |
| Pressure feed tube assembly x PS vane pump assembly | 39.5 (43) | 400 (440) | 29 (32) |
| PS gear assembly x Steering gear support member | 57 | 580 | 42 |

(): For use without SST

SUPPLEMENTAL RESTRAINT SYSTEM

TORQUE SPECIFICATION

SS061-36

| Parttightened | N·m | kgf·cm | ft·lbf |
|--|-----|--------|------------|
| Steering wheel | 34 | 350 | 25 |
| Steering wheel pad | 8.8 | 90 | 78 in.·lbf |
| Front passenger airbag assembly x Instrument panel reinforcement | 20 | 205 | 15 |
| Airbag sensor assembly | 20 | 205 | 15 |
| Front airbag sensor | 20 | 205 | 15 |

BODY ELECTRICAL

SS080-09

SERVICE DATA

| | | |
|---|---|---|
| Daytime running light relay (main) | Voltage (3 – Ground) at constant (6 – Ground) at constant (9 – Ground) at engine running (12 – Ground) at ignition switch position lock or ACC at ignition switch position ON or START | Battery positive voltage Battery positive voltage Battery positive voltage No voltage Battery positive voltage |
| Combination meter (Speedometer) USA: | mhp (on vehicle) Standard indication at 20 mhp at 40 mhp at 60 mhp at 80 mhp at 100 mhp at 120 mhp at 140 mhp | Allowable range 19 – 22 mhp 39 – 42.5 mhp 59.5 – 63.5 mhp 80 – 85 mhp 100 – 105.5 mhp 120 – 125.5 mhp 140 – 146 mhp |
| Combination meter (Speedometer) | Resistance (A – B) (C – D) | 250 Ω 250 Ω |
| Combination meter (Tachometer) | RPM Standard indication (DC 13.5 V, 25 °C (77 °F)) at 700 rpm at 1,000 rpm at 2,000 rpm at 3,000 rpm at 4,000 rpm at 5,000 rpm at 6,000 rpm at 7,000 rpm | Allowable range 630 – 770 rpm 900 – 1,000 rpm 1,850 – 2,150 rpm 2,800 – 3,200 rpm 3,800 – 4,200 rpm 4,800 – 5,200 rpm 5,800 – 6,200 rpm 6,800 – 7,200 rpm |
| Combination meter (Tachometer) | Resistance (A – B) (C – D) | 250 Ω 250 Ω |
| Combination meter (Fuel receiver gauge) | Resistance (A – B) (C – D) | 250 Ω 250 Ω |
| Fuel sender gauge | Resistance Float position at approx. 68.8 mm (2.71 in.) at approx. 207.4 mm (8.17 in.) | Approx. 16.4 Ω Approx. 192.7 Ω |
| Combination meter (Engine coolant temperature receiver gauge) | Resistance (A – B) (C – D) | 250 Ω 250 Ω |
| Defogger switch (Wire harness side) | Voltage (Connector disconnected) (4 – Ground) at ignition switch LOCK or ACC (4 – Ground) at ignition switch ON | No voltage Battery positive voltage |
| Defogger switch (Wire harness side) | Voltage (Connector connected) (4 – Ground) at ignition switch ON and defogger switch OFF (4 – Ground) at ignition switch ON and defogger switch ON | Battery positive voltage No voltage |

SERVICE SPECIFICATIONS – BODY ELECTRICAL

| | | |
|--|---|--|
| Radio receiver assembly (Wire harness side) | Voltage (A1 – Ground) at audio sounding (A2 – Ground) at audio sounding (A3 – Ground) at ignition switch ACC (A4 – Ground) at constant (A5 – Ground) at audio sounding (A6 – Ground) at audio sounding (A10 – Ground) at light control switch TAIL or HEAD (B1 – Ground) at audio sounding (B2 – Ground) at audio sounding (B3 – Ground) at audio sounding (B6 – Ground) at audio sounding | 5 – 7 V 5 – 7 V Battery positive voltage Battery positive voltage 5 – 7 V 5 – 7 V Battery positive voltage 5 – 7 V 5 – 7 V 5 – 7 V 5 – 7 V |
| Antenna motor control relay (Wire harness side) | Voltage (1 – Ground) at constant (4 – Ground) at ignition switch position LOCK or ACC (4 – Ground) at ignition switch position ON (5 – Ground) at ignition switch position LOCK (5 – Ground) at ignition switch position ACC or ON (7 – Ground) at radio switch and cassette OFF (7 – Ground) at radio switch and cassette ON | Battery positive voltage No voltage Battery positive voltage No voltage Battery positive voltage No voltage Battery positive voltage |
| Clock | at per day | ± 1.5 seconds |

BODY

TORQUE SPECIFICATION

SS16Q-03

| Parttightened | N·m | kgf·cm | ft·lbf |
|--|-----|--------|------------|
| FRONT BUMPER | – | – | – |
| Front bumper reinforcement x Body | 20 | 200 | 14 |
| Front bumper x Body | 5.5 | 56 | 48 in.·lbf |
| REAR BUMPER | – | – | – |
| Rear bumper reinforcement x Body | 20 | 200 | 14 |
| HOOD | – | – | – |
| Hood hinge x Hood | 8 | 82 | 71 in.·lbf |
| Hood lock x Body | 6.9 | 70 | 61 in.·lbf |
| FRONT DOOR | – | – | – |
| Upper window stop x Door panel | 13 | 130 | 10 |
| Door glass x Window regulator | 8.0 | 80 | 70 in.·lbf |
| Lower plate x Door panel | 5.0 | 50 | 44 in.·lbf |
| Window regulator x Door panel Bolt: | 8.3 | 85 | 74 in.·lbf |
| Window regulator x Door panel Nut: | 8.3 | 85 | 74 in.·lbf |
| Door glass female stabilizer x Door panel | 13 | 130 | 10 |
| Door lock x Door panel Screw: | 5.0 | 50 | 44 in.·lbf |
| Outside handle x Door panel | 5.4 | 55 | 48 in.·lbf |
| Key cylinder x Outside handle | 5.4 | 55 | 48 in.·lbf |
| Door hinge x Body | 25 | 260 | 19 |
| Door hinge x Door panel Upper bolt: | 40 | 410 | 29 |
| Door hinge x Door panel Lower bolt: | 26 | 270 | 19 |
| Door lock striker x Body | 23 | 230 | 17 |
| ENGINE HOOD | – | – | – |
| Engine hood hinge x Hood | 13 | 130 | 9 |
| Hood lock x Body | 6.9 | 70 | 61 in.·lbf |
| FRONT WIPER AND WASHER | – | – | – |
| Wiper motor x Wiper link assembly | 5.4 | 55 | 48 in.·lbf |
| Wiper motor and link assembly x Body | 5.4 | 55 | 48 in.·lbf |
| Wiper arm x Wiper motor and link assembly | 20 | 200 | 15 |
| INSTRUMENT PANEL | – | – | – |
| Steering wheel set nut | 34 | 350 | 25 |
| Passenger airbag assembly x Reinforcement | 20 | 205 | 15 |
| FRONT SEAT | – | – | – |
| Front seat x Body | 37 | 375 | 27 |
| Seat cushion assembly x Seat adjuster | 21 | 210 | 15 |
| Seatback assembly x Seat adjuster | 43 | 440 | 32 |
| SEAT BELT | – | – | – |
| Front seat outer belt shoulder anchor x Body | 42 | 420 | 30 |
| Front seat outer belt floor anchor x Body | 42 | 420 | 30 |
| Front seat outer belt retractor x Body Upper side: | 7.5 | 76 | 66 in.·lbf |
| Front seat outer belt retractor x Body Lower side: | 42 | 420 | 30 |
| Front seat inner belt x Front seat | 42 | 420 | 30 |

2000 MR2 (RM760U)

SERVICE SPECIFICATIONS - BODY

| | | | |
|--|----|-----|----|
| SOFT TOP | - | - | - |
| Center tarpaulin bow stay catch handle x Tarpaulin | 62 | 630 | 45 |
| Tarpaulin lock x Tarpaulin | 62 | 630 | 45 |
| Tarpaulin x Body | 11 | 115 | 8 |

AIR CONDITIONING

SERVICE DATA

SS0MB-03

| | | |
|---------------------------------------|--|--|
| Refrigerant | Charge volume | 500 ± 30 g (17.64 ± 1.06 oz.) |
| Idle-up speed | at magnetic clutch is not engaged at magnetic clutch is engaged | 700 ± 50 rpm 900 ± 50 rpm |
| Thermistor | Resistance at 25°C (77°F) | 1.700 Ω |
| Compressor | Resistance (1 – 2) | 165 – 205 Ω |
| Magnetic clutch | Clearance Adjust shim thickness | 0.45 ± 0.10 mm (0.018 ± 0.004 in.) 0.1 mm (0.004 in.) 0.3 mm (0.012 in.) 0.5 mm (0.020 in.) |
| Condenser fan | Amperage at 20°C (68 °F) | 9.2 – 11.0 A |
| Combination meter (wire harness side) | Resistance (C1 – C4) at evaporator temperature 25°C (77°F) | 1.5 kΩ |
| Combination meter (From back side) | Voltage (B13 – Ground) at A/C switch ON & Blower motor: operative (C10 – Ground) Mode selector: DEF. (C9 – Ground) Mode Selector: Except DEF. (A1 – Ground) at A/C switch ON at A/C switch OFF Blower motor: at operative Blower motor: at no operative | Below 1.0 V Battery positive voltage Below 1.0 V Battery positive voltage Below 1.0 V Battery positive voltage Below 2.0 V Battery positive voltage |
| ECM (From back side) | Voltage (E2–12 – Ground) at start engine. at magnetic clutch: ON at start engine. magnetic clutch: OFF (E3–28 – Ground) at start engine. A/C switch ON at start engine. A/C switch OFF (E3–18 – Ground) Refrigerant pressure: at 196 – 1,340 kPa Refrigerant pressure: at less than 196 or more than 1,340 kPa | Below 1.0 V Battery positive voltage Battery positive voltage No voltage Battery positive voltage No voltage |

TORQUE SPECIFICATION

| Part tightened | N·m | kgf·cm | ft·lbf |
|---|------|--------|------------|
| Condenser x Discharge tube | 9.8 | 100 | 87 in.·lbf |
| Condenser x Liquid tube | 9.8 | 100 | 87 in.·lbf |
| No. 1 suction Tube x Suction tube | 9.8 | 100 | 87 in.·lbf |
| Discharge tube x Discharge tube | 9.8 | 100 | 87 in.·lbf |
| Discharge tube x Discharge tube (Washer Bolt) | 22.1 | 225 | 16 |
| Suction tube x Suction tube (Washer Bolt) | 31.9 | 325 | 24 |
| Compressor x Discharge hose | 9.8 | 100 | 87 in.·lbf |
| Compressor x Suction hose | 9.8 | 100 | 87 in.·lbf |
| Expansion valve x Evaporator | 3.4 | 35 | 30 in.·lbf |
| Steering wheel x Steering column | 34 | 350 | 24 |
| Compressor x Engine | 24.5 | 250 | 18 |
| Pressure plate x Compressor | 13.2 | 135 | 10 |
| Spare tire carrier extension x Body | 8 | 82 | 70 in.·lbf |
| Radiator upper support x Body | 12.5 | 128 | 9 |
| Condenser x Body | 8.8 | 90 | 78 in.·lbf |
| Condenser x Cap | 12.3 | 125 | 9 |
| Pressure switch x Liquid tube | 10.8 | 110 | 8 |