

AUDIO & VISUAL SYSTEM

TORQUE SPECIFICATION

030PN-01

Part Tightened	N·m	kgf·cm	ft·lbf
Amplifier antenna assy x Antenna nut	4.5	46	40 in·lbf

AUTOMATIC TRANSMISSION / TRANSAXLE

SERVICE DATA

0305K-06

A245E		
Line pressure (Wheel locked)	Engine idling	
	D position	382 – 422 kPa (3.9 – 4.3 kgf/cm ² , 55 – 61 psi)
	R position	647 – 760 kPa (6.6 – 7.8 kgf/cm ² , 94 – 111 psi)
	At stall (Throttle valve fully opened)	
	D position	713 – 844 kPa (7.27 – 8.61 kgf/cm ² , 103 – 122 psi)
	R position	1,520 – 1,755 kPa (15.5 – 17.9 kgf/cm ² , 220 – 254 psi)
Engine stall revolution	D and R positions	2,550 ± 150 rpm
Time lag	N → D position	Less than 1.2 seconds
	N → R position	Less than 1.5 seconds
Engine idle speed (A/C OFF)	N position	650 ± 50 rpm
Drive plate runout	Max.	0.20 mm (0.0079 in.)
Differential oil seal drive in depth	LH side	5.3 ± 0.5 mm (0.209 ± 0.020 in.)
	RH side	2.0 ± 0.5 mm (0.079 ± 0.020 in.)
Shift schedule		
D position (Throttle valve fully opened)	1 → 2	59 – 68 km/h (37 – 42 mph)
	2 → 3	111 – 122 km/h (69 – 76 mph)
	3 → O/D	173 – 191 km/h (108 – 119 mph)
	O/D → 3	165 – 183 km/h (103 – 114 mph)
	3 → 2	103 – 114 km/h (64 – 71 mph)
	2 → 1	41 – 48 km/h (25 – 30 mph)
	3 → O/D	35 – 42 km/h (22 – 26 mph)
	O/D → 3	16 – 22 km/h (10 – 14 mph)
(Throttle valve fully closed)		
2 position (Throttle valve fully opened)	1 → 2	59 – 68 km/h (37 – 42 mph)
	3 → 2	105 – 116 km/h (65 – 72 mph)
	2 → 1	41 – 48 km/h (25 – 30 mph)
L position (Throttle valve fully opened)		
	2 → 1	49 – 57 km/h (30 – 35 mph)
Lock-up point		
3rd gear (O/D main switch OFF)	Throttle valve opening 5 %	
	Lock-up ON	68 – 77 km/h (42 – 48 mph)
	Lock-up OFF	61 – 69 km/h (38 – 43 mph)
O/D gear	Lock-up ON	61 – 69 km/h (38 – 43 mph)
	Lock-up OFF	54 – 62 km/h (34 – 39 mph)

TORQUE SPECIFICATION

Part Tightened		N·m	kgf·cm	ft·lbf
Park/neutral position switch x Transaxle	Bolt	5.5	56	49 in.·lbf
	Nut	5.5	56	49 in.·lbf
Control shaft lever x Park/neutral position switch		12.5	127	9
Battery carrier x Body		13	132	10
Engine hanger x Engine		38	387	28
Drain plug x Oil pan		17.5	178	13
Transaxle x Engine	Bolt A:	64	650	47
	Bolt B:	46	470	34
	Bolt C:	23	235	17
Torque converter clutch x Drive plate		28	285	20
Engine mounting bracket RR x Transaxle		64	652	47
Center member x Body	Bolt A:	39	398	29
	Bolt B:	52	530	38
Engine mounting insulator RR x Engine mounting bracket RR		87	887	64
Engine mounting insulator RR x Suspension member		52	530	38
Engine mounting insulator FR x Engine mounting bracket FR		52	530	38
Engine mounting bracket LH x Transaxle		52	530	38
Engine mounting insulator LH x Body	Bolt A:	52	530	38
Engine mounting insulator LH x Engine mounting bracket LH	Nut B:	80	815	59
Engine mounting bracket FR x Transaxle		64	652	47
Starter x Transaxle		39	400	29
Starter wire x Starter		13	132	10
Transmission case protector x Transaxle		18	182	14
Oil filler tube x Transaxle		5.5	56	49 in.·lbf
Oil cooler tube clamp x Oil filler tube		5.5	56	49 in.·lbf
Oil cooler outlet tube x Transaxle		34.5	350	25
Oil cooler inlet tube x Transaxle		34.5	350	25
Wire harness clamp bracket x Transaxle		12.75	130	9
Wire harness x Transaxle	Bolt A:	25.5	260	19
	Bolt B:	10	102	7
	Bolt C:	13	132	10
Control cable bracket x Transaxle		12	122	9
Control cable support x Transaxle		12	122	9
Air cleaner assy x Body		7.0	71	62 in.·lbf
Cylinder head cover No. 2 x Engine		7.0	71	62 in.·lbf
Speedometer sensor x Transaxle		11.3	115	9
Solenoid valve x Valve body	Bolt A:	11	110	8
	Bolt B:	11	110	8
	Bolt C:	6.5	66	58 in.·lbf
Valve body x Transaxle		10	100	7
Manual detent spring x Valve body		10	100	7
Oil strainer x Valve body		10	100	7
Oil pan x Transaxle		5.3	55	48 in.·lbf
Transmission wire x Transaxle		5.4	55	48
Floor shift assy x Body		12	122	9
Control cable x Control shaft lever		12	122	9
Control cable x Body	Bolt	5.0	50	43 in.·lbf
	Nut	12	122	9

BRAKE

SERVICE DATA

03094-01

Brake pedal height (from asphalt sheet)	M/T	134.9 – 144.9 mm (5.311 – 5.703 in.)
	A/T	136.0 – 146.0 mm (5.353 – 5.747 in.)
Brake Pedal free play		1 – 6 mm (0.04 – 0.24 in.)
Stop light switch clearance		0.5 – 2.4 mm (0.020 – 0.094 in.)
Pedal reserve distance from asphalt sheet at 490 N (50 kgf, 110.2 lbf)		More than 70 mm (2.76 in.)
Brake booster push rod to piston clearance (w/ SST)		0 mm (0 in.)
Front brake pad thickness	Standard	11.0 mm (0.433 in.)
	Minimum	1.0 mm (0.039 in.)
Front brake disc thickness	Standard	25.0 mm (0.984 in.)
	Minimum	23.0 mm (0.906 in.)
Front brake disc runout	Maximum	0.05 mm (0.0020 in.)
Rear brake drum inside diameter	Standard	200.0 mm (7.874 in.)
	Maximum	201.0 mm (7.913 in.)
Rear brake shoe lining thickness	Standard	4.4 mm (0.173 in.)
	Maximum	1.0 mm (0.039 in.)

TORQUE SPECIFICATION

Part Tightened	N·m	kgf·cm	ft·lbf
Bleeder plug	8.3	85	74 in·lbf
Brake booster clevis lock nut	26	265	19
Brake pedal support sub-assy x Brake pedal sub-assy	36.8	375	27
Brake booster x Body	12.7	130	9
Brake pedal support sub-assy x Body	23.6	240	17
Brake master cylinder x Piston stopper bolt	10	102	7
Brake master cylinder x Reservoir	1.8	18.4	15.9 in·lbf
Brake master cylinder x Brake booster	12.5	127	9
Brake line union nut	15.2	155	11
Wheel nut	103	1,050	76
Cruise control actuator bracket x Body	43	438	32
Front brake cylinder mounting x Steering knuckle	106.8	1,089	79
Front brake cylinder x Front brake cylinder mounting	34.3	350	25
Front disc brake caliper x Flexible hose	29	296	21
Rear drum brake wheel cylinder x Backing plate	10	102	7
Proportioning valve assy x Body	5.4	55	48 in·lbf
Brake actuator assy x Actuator bracket	4.7	48	42 in·lbf
Brake actuator bracket x Body	19	194	14
Front speed sensor x Steering knuckle	8.0	82	71 in·lbf
Front speed sensor wire harness clamp x Shock absorber	29	296	21
Front speed sensor wire harness clamp x Body	8.0	82	71 in·lbf

CLUTCH

SERVICE DATA

030EF-02

Pedal height from asphalt sheet		135.8 – 145.8 mm (5.346 – 5.740 in.)
Clutch pedal free play		5.0 – 15.0 mm (0.197 – 0.591 in.)
Clutch pedal push rod play at pedal top		1.0 – 5.0 mm (0.039 – 0.197 in.)
Slotted spring pin protrusion	Maximum	1.5 – 3.5 mm (0.059 – 0.138 in.)
Disc rivet head depth	Maximum	0.3 mm (0.012 in.)
Disc runout	Minimum	0.8 mm (0.031 in.)
Diaphragm spring finger wear	Maximum depth:	0.5 mm (0.020 in.)
	Maximum width:	6.0 mm (0.236 in.)
Flywheel sub-assy runout	Maximum	0.1 mm (0.004 in.)
Diaphragm spring finger wear	Maximum depth	0.5 mm (0.020 in.)
Clutch release point from pedal full stroke end position		25 mm (0.98 in.) or more

TORQUE SPECIFICATION

Part Tightened	N·m	kgf·cm	ft·lbf
Clutch pedal sub-assy x Clutch pedal support	36.8	375	27
Clutch pedal support set bolt x Body	19.1	195	14
Cylinder push rod clevis lock nut	24.5	245	18
Clutch master cylinder assy x Clutch pedal support	11.8	120	9
Clutch master cylinder assy x Flexible hose tube	15.2	155	11
Release cylinder bleeder plug	8.4	85	74 in.·lbf
Clutch release cylinder assy x Transaxle housing	11.8	120	9
Clutch release cylinder assy x Flexible hose tube	15.2	155	11
Flexible hose tube bracket x Flexible hose tube	5.0	51	44 in.·lbf
Clutch cover assy x Flywheel sub-assy	19.1	195	14
Release fork support x Transaxle assy	36.8	375	27
Clutch start switch assy set nut	15.68	160	12

COOLING

SERVICE DATA

030PJ-03

Thermostat		
Valve opening temperature		80 to 84°C (176 to 183°F)
Valve lift	at 95°C (203°F)	10 mm (0.39 in.) or more
Radiator cap sub-assy		
Standard opening pressure		74 to 103 kPa (0.75 to 1.05 kgf/cm ² , 10.7 to 14.9 psi)
Minimum opening pressure		59 kPa (0.6 kgf/cm ² , 8.5 psi)
Cooling fan		
Standard amperage	at 20°C (68°F)	8 to 12 A
Cooling fan		
Resistance	at 20°C (68°F)	1.17 to 1.43 Ω

TORQUE SPECIFICATION

Part Tightened		N·m	kgf·cm	ft·lbf
Water pump Assy x Cylinder block sub-assy (See page 16-8)	Bolt A	9.0	92	80 in. lbf
	Bolt B	11	113	8
Generator Assy x Engine (See page 19-16)	12 mm head	25	250	18
	14 mm head	54	550	39
Water inlet x Cylinder block sub-assy		11	113	8

CRUISE CONTROL

SERVICE DATA

0300V-01

Accelerator auto drive cable clearance	Standard	2 – 6 mm (0.079 – 0.236 in.)
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TORQUE SPECIFICATION

Part Tightened	N·m	kgf·cm	ft·lbf
Cruise control actuator assy x Cruise control bracket	6.0	60	52 in·lbf

DRIVE SHAFT / PROPELLER SHAFT / AXLE

030PW-01

SERVICE DATA

Front axle hub bearing	Backlash	Maximum: 0.05 mm (0.0020 in.)
Front axle hub sub-assy	Deviation	Maximum: 0.05 mm (0.0020 in.)
Rear axle hub & bearing assy	Backlash	Maximum: 0.05 mm (0.0020 in.)
	Deviation	Maximum: 0.07 mm (0.0028 in.)

TORQUE SPECIFICATION

Part Tightened	N·m	kgf·cm	ft·lbf
Front wheel set nut	103	1,050	76
Rear wheel set nut	103	1,050	76
Manual transaxle oil drain plug	39.2	400	29
Automatic transaxle fluid drain plug	17.5	178	13
Lower ball joint assy front x Suspension arm sub-assy lower No.1	89	908	66
Tie rod end sub-assy x Steering knuckle	49	500	36
Flexible hose and speed sensor front x Shock absorber assy front	29	296	21
Speed sensor front x Steering knuckle	8.0	82	71 in·lbf
Front stabilizer link assy x Shock absorber assy front	74	755	55
Front axle hub nut	216	2,200	159
Disc brake dust cover front x Steering knuckle	8.3	85	73 in·lbf
Lower ball joint assy front x Steering knuckle	103	1,050	76
Front axle assy x Shock absorber assy front	153	1,560	113
Front disc brake caliper assy x Steering knuckle	106.8	1,089	79
Rear axle hub & bearing assy x Rear axle beam	61	622	45

EMISSION CONTROL

SERVICE DATA

030PI-01

Oxygen sensor Resistance	HT – +B	11 – 16 Ω
VSV for Pressure switching valve Resistance	at 20°C (68°F)	37 – 44 Ω
Vacuum switching valve No.1 Resistance	at 20 °C (68 °F)	27 – 33 Ω
Vacuum switching valve assy No. 1 Resistance	at 20°C (68°F)	25 – 30 Ω

ENGINE CONTROL SYSTEM

SERVICE DATA

030P8-03

Throttle idle speed control valve assy Movement	Ignition switch ON	Half open → fully close → fully open → half open
Intake air flow meter sub-assy Resistance	THA – E2 at –20°C (–4°F) at 20°C (68°F) at 60°C (140°F)	13.6 to 18.4 kΩ 2.21 to 2.69 kΩ 0.49 to 0.67 kΩ
Camshaft timing oil control valve assy Resistance	at 20°C (68°F)	6.9 to 7.9 Ω
E.F.I. Throttle position sensor Resistance	VC – E2	2.5 to 6.0 kΩ
E.F.I. Engine coolant temperature sensor Resistance	at 20°C (68°F) at 80°C (176°F)	2.32 to 2.59 kΩ 0.310 to 0.326 kΩ
Knock control sensor Resistance	at 20°C (68°F)	120 to 280 kΩ
E.F.I. Circuit opening relay assy Specified condition	Between terminals 1 and 2 Between terminals 3 and 5	Continuity No continuity
E.F.I. ECU relay Specified condition	Between terminals 1 and 2 Between terminals 3 and 5	Continuity No continuity

TORQUE SPECIFICATION

Part Tightened	N·m	kgf·cm	ft·lbf
Throttle body idle speed control valve Assy x Throttle body Assy	3.7	38	33 in.·lbf
E.F.I. Throttle position sensor x Throttle body Assy	2.0	20	18 in.·lbf
Accelerator Control cable bracket sub-assy x Throttle body Assy	13	133	9.6
Throttle body Assy x Intake manifold	30	306	22
Throttle body bracket x Cylinder head sub-assy	30	306	22
Manifold stay No. 2 x Throttle body Assy M/T	13	133	9.6
Cylinder head cover No. 2 x Cylinder head cover sub-assy	7.0	71	62 in.·lbf
ECM bracket No. 3 x ECM	3.2	33	28 in.·lbf
ECM bracket No. 2 x ECM	3.2	33	28 in.·lbf
ECM bracket No. 1 x ECM	3.2	33	28 in.·lbf
ECM x Blower Assy	3.0	31	27 in.·lbf
Battery negative terminal x Battery	5.4	55	48 in.·lbf

ENGINE MECHANICAL

SERVICE DATA

030P0-02

Ignition timing	w/ Terminal TC and CG of DLC3 connected w/ Terminal TC and CG of DLC3 disconnected	8 to 12° BTDC 10 to 18° BTDC
Idle speed		650 to 750 rpm
Compression pressure		1,300 kPa (13.3 kgf-cm ² , 189 psi)
Minimum pressure		1,000 kPa (10.2 kgf-cm ² , 145 psi)
Difference between each cylinder		100 kPa (1.0 kgf-cm ² , 15 psi)
Valve clearance at cold	Intake Exhaust	0.15 to 0.25 mm (0.0059 to 0.0098 in.) 0.25 to 0.35 mm (0.0098 to 0.0138 in.)
Chain elongation	Maximum	122.6 mm (4.827 in.)
Camshaft timing gear diameter (w/ chain)	Minimum	97.3 mm (3.831 in.)
Crankshaft timing gear diameter (w/ chain)	Minimum	51.6 mm (2.031 in.)
Chain tensioner slipper wear	Maximum	1.0 mm (0.039 in.)
Chain vibration damper wear	Maximum	1.0 mm (0.039 in.)
Cylinder head set bolt length	Standard Maximum	146.8 to 148.2 mm (5.780 to 5.835 in.) 148.5 mm (5.846 in.)
Camshaft Circle runout Cam lobe height	Maximum Standard Intake Exhaust Minimum Intake Exhaust	0.03 mm (0.0012 in.) 44.333 to 44.433 mm (1.7454 to 1.7493 in.) 43.761 to 43.861 mm (1.7229 to 1.7268 in.) 44.18 mm (1.7394 in.) 43.61 mm (1.7169 in.)
Journal diameter	No. 1 Others	34.449 to 34.465 mm (1.3563 to 1.3569 in.) 22.949 to 22.965 mm (0.9035 to 0.9041 in.)
Cylinder head warpage	Cylinder block side Intake manifold side Exhaust manifold side	0.05 mm (0.0020 in.) 0.10 mm (0.0039 in.) 0.10 mm (0.0039 in.)
Camshaft thrust clearance	Standard Maximum	0.040 to 0.095 mm (0.0016 to 0.0037 in.) 0.110 mm (0.0043 in.)
Camshaft oil clearance	Standard Maximum	0.035 to 0.072 mm (0.0014 to 0.0028 in.) 0.10 mm (0.0039 in.)
Valve lifter diameter		30.966 to 30.976 mm (1.2191 to 1.2195 in.)
Valve lifter bore diameter		31.000 to 31.025 mm (1.2205 to 1.2215 in.)
Valve lifter oil clearance	Standard Maximum	0.024 to 0.059 mm (0.0009 to 0.0023 in.) 0.079 mm (0.0031 in.)
Inner compression spring		
Free length		43.40 mm (1.7087 in.)
Deviation	Maximum	1.6 mm (0.063 in.)
Angle (reference)	Maximum	2°
Installed tension	at 33.6 mm (1.323 in.)	158.6 to 175.4 N (16.2 to 17.9 kgf, 35.7 to 39.5 lbf)
Maximum working tension	at 24.1 mm (0.949 in.)	335.3 to 370.7 N (34.2 to 37.8 kgf, 75.4 to 83.3 lbf)
Valve		
Overall length	Standard Intake Exhaust Minimum Intake Exhaust	88.65 mm (3.4902 in.) 88.69 mm (3.4917 in.) 88.35 mm (3.4784 in.) 88.39 mm (3.4799 in.)
Valve stem diameter	Intake Exhaust	5.470 to 5.485 mm (0.2154 to 0.2159 in.) 5.465 to 5.480 mm (0.2152 to 0.2158 in.)
Margin thickness	Standard Minimum	1.0 mm (0.039 in.) 0.7 mm (0.028 in.)
Valve guide bush inside diameter		5.510 to 5.530 mm (0.2169 to 0.2177 in.)
Valve guide bush oil clearance	Standard Intake Exhaust Maximum Intake Exhaust	0.025 to 0.060 mm (0.0010 to 0.0024 in.) 0.030 to 0.065 mm (0.0012 to 0.0026 in.) 0.08 mm (0.0032 in.) 0.10 mm (0.0039 in.)

Valve guide bush bore diameter	STD O/S 0.05	10.285 to 10.306 mm (0.4049 to 0.4058 in.) 10.335 to 10.356 mm (0.4069 to 0.4077 in.)
Valve guide bush protrusion height		8.7 to 9.1 mm (0.343 to 0.358 in.)
Straight pin protrusion height (cylinder head)		5 mm (0.197 in.)
Union protrusion height (See page 14-134)	A B C	29 mm (1.142 in.) 66.5 mm (2.618 in.) 24 mm (0.945 in.)
Connecting rod thrust clearance	Standard Maximum	0.160 to 0.342 mm (0.0063 to 0.0135 in.) 0.342 mm (0.0135 in.)
Connecting rod oil clearance	Standard Maximum	0.028 to 0.060 mm (0.0011 to 0.0024 in.) 0.080 mm (0.0031 in.)
Connecting rod large end bore diameter	1 2 3	47.000 to 47.008 mm (1.8504 to 1.8507 in.) 47.009 to 47.016 mm (1.8507 to 1.8510 in.) 47.017 to 47.024 mm (1.8511 to 1.8513 in.)
Connecting rod bearing thickness	1 2 3	1.486 to 1.490 mm (0.0585 to 0.0587 in.) 1.491 to 1.494 mm (0.0587 to 0.0588 in.) 1.495 to 1.498 mm (0.0589 to 0.0590 in.)
Crankshaft pin outer diameter		43.992 to 44.000 mm (1.7320 to 1.7323 in.)
Crankshaft thrust clearance	Standard Maximum	0.04 to 0.24 mm (0.0016 to 0.0094 in.) 0.30 mm (0.0118 in.)
Cylinder block warpage	Maximum	0.05 mm (0.0020 in.)
Cylinder bore diameter	Standard Difference limit	79.000 to 79.013 mm (3.1102 to 3.1107 in.) 0.10 mm (0.0039 in.)
Piston diameter at 25.6 mm (1.008 in.) from piston head		78.872 to 78.972 mm (3.1052 to 3.1091 in.)
Piston oil clearance	Standard Maximum	0.065 to 0.088 mm (0.0026 to 0.0035 in.) 0.088 mm (0.0035 in.)
Piston pin bore diameter	A B C	20.006 to 20.009 mm (0.7876 to 0.7878 in.) 20.010 to 20.012 mm (0.7878 to 0.7879 in.) 20.013 to 20.015 mm (0.7879 to 0.7880 in.)
Piston pin outer diameter	A B C	20.004 to 20.007 mm (0.7876 to 0.7877 in.) 20.008 to 20.010 mm (0.7877 to 0.7878 in.) 20.011 to 20.013 mm (0.7878 to 0.7879 in.)
Connecting rod small end bore diameter	A B C	20.012 to 20.015 mm (0.7879 to 0.7880 in.) 20.016 to 20.018 mm (0.7880 to 0.7881 in.) 20.019 to 20.021 mm (0.7881 to 0.7882 in.)
Piston pin oil clearance		
Piston pin x Piston	Standard Maximum	0.002 to 0.011 mm (0.0001 to 0.0004 in.) 0.011 mm (0.0004 in.)
Piston pin x Connecting rod	Standard Maximum	-0.001 to 0.017 mm (-0.00004 to 0.0007 in.) 0.017 mm (0.0007 in.)
Ring groove clearance	No. 1 No. 2 Oil	0.02 to 0.07 mm (0.0008 to 0.0028 in.) 0.03 to 0.07 mm (0.0012 to 0.0028 in.) 0.03 to 0.11 mm (0.0012 to 0.0043 in.)
Piston ring end gap	Standard No. 1 No. 2 Oil Maximum No. 1 No. 2	0.25 to 0.35 mm (0.0098 to 0.0138 in.) 0.35 to 0.50 mm (0.0138 to 0.0197 in.) 0.15 to 0.40 mm (0.0059 to 0.0157 in.) 1.05 mm (0.0413 in.) 1.20 mm (0.0472 in.)
Connecting rod		
Out-of-alignment	Maximum	0.05 mm (0.0020 in.) per 100 mm (3.94 in.)
Twist	Maximum	0.05 mm (0.0020 in.) per 100 mm (3.94 in.)
Connecting rod bolt diameter	Standard Maximum	6.6 to 6.7 mm (0.260 to 0.264 in.) 6.4 mm (0.252 in.)
Crankshaft		
Circle runout	Maximum	0.03 mm (0.0012 in.)
Main journal diameter		47.988 to 48.000 mm (1.8893 to 1.8898 in.)
Taper and out-of-round	Maximum	0.02 mm (0.0008 in.)
Crank pin diameter		43.992 to 44.000 mm (1.7320 to 1.7323 in.)
Taper and out-of-round	Maximum	0.02 mm (0.0008 in.)

SERVICE SPECIFICATIONS – ENGINE MECHANICAL

Crankshaft bearing cap set bolt diameter	Standard Minimum	7.3 to 7.5 mm (0.287 to 0.295 in.) 7.3 mm (0.287 in.)
Crankshaft oil clearance	Standard Minimum	0.015 to 0.032 mm (0.0006 to 0.0013 in.) 0.05 mm (0.0020 in.)
Cylinder block journal bore diameter	0 1 2 3 4 5 6	52.000 to 52.002 mm (2.0472 to 2.0473 in.) 52.003 to 52.004 mm (2.0474 to 2.0474 in.) 52.005 to 52.006 mm (2.0474 to 2.0475 in.) 52.007 to 52.009 mm (2.0475 to 2.0476 in.) 52.010 to 52.011 mm (2.0476 to 2.0477 in.) 52.012 to 52.013 mm (2.0477 to 2.0478 in.) 52.014 to 52.015 mm (2.0478 to 2.0478 in.)
Crankshaft journal diameter	0 1 2 3 4 5	47.999 to 48.000 mm (1.8897 to 1.8898 in.) 47.997 to 47.998 mm (1.8896 to 1.8897 in.) 47.995 to 47.996 mm (1.8896 to 1.8896 in.) 47.993 to 47.994 mm (1.8895 to 1.8895 in.) 47.991 to 47.992 mm (1.8894 to 1.8894 in.) 47.988 to 47.990 mm (1.8893 to 1.8894 in.)
Standard bearing center wall thickness	1 2 3 4	1.994 to 1.997 mm (0.0785 to 0.0786 in.) 1.998 to 2.000 mm (0.0787 to 0.0787 in.) 2.001 to 2.003 mm (0.0788 to 0.0789 in.) 2.004 to 2.006 mm (0.0789 to 0.0790 in.)
Straight pin (cylinder block) (See page 14-147)	A B C D	5 mm (0.197 in.) 7.5 mm (0.295 in.) 12 mm (0.472 in.) 8 mm (0.315 in.)
Ring pin (cylinder block) (See page 14-147)	A B C	6 mm (0.236 in.) 7 mm (0.276 in.) 10 mm (0.394 in.)

TORQUE SPECIFICATION

Part Tightened		N·m	kgf·cm	ft·lbf
Cylinder head cover No. 2 x Cylinder head cover sub-assy		7.0	71	62 in.·lbf
Camshaft bearing cap No. 3 x Cylinder head sub-assy		13	133	10
Camshaft bearing cap No. 1 x Cylinder head sub-assy		23	235	17
Camshaft timing gear or sprocket x Camshaft No. 2		54	551	40
Chain tensioner assy No. 1 x Timing chain or belt cover sub-assy		9.0	92	80 in.·lbf
V-ribbed belt tensioner assy x Cylinder head sub-assy		29	296	21
V-ribbed belt tensioner assy x Cylinder block sub-assy		69	704	51
Engine mounting insulator RH x Body		52	530	38
Engine mounting insulator RH x Transverse engine engine mounting bracket		52	530	38
Cylinder head cover sub-assy x Cylinder head sub-assy	A	11	112	8
(See page 14-5)	B	9.0	92	80 in.·lbf
Cylinder head cover sub-assy x Timing chain or belt cover sub-assy		11	112	8
Ignition coil assy x Cylinder head cover sub-assy		9.0	92	80 in.·lbf
Engine wire x Cylinder head cover sub-assy		9.0	92	80 in.·lbf
Engine hanger x Cylinder head sub-assy		38	387	28
Radio setting condenser x Cylinder head sub-assy		10	102	7
Engine coolant temperature sensor x Cylinder head sub-assy		20	204	15
Exhaust manifold x Cylinder head sub-assy		37	377	27
Exhaust manifold heat insulator No. 1 x Exhaust manifold		18	184	13
Manifold stay x Exhaust manifold		49	500	36
Manifold stay x Cylinder block sub-assy		49	500	36
Knock sensor x Cylinder block sub-assy		20	204	15
Crankshaft position sensor x Timing chain or belt cover		9.0	92	80 in.·lbf
Camshaft position sensor x Cylinder head sub-assy		9.0	92	80 in.·lbf
Water inlet x Cylinder block sub-assy		11	112	8
Water by-pass pipe No. 1 x Cylinder block sub-assy		9.0	92	80 in.·lbf
Water by-pass pipe No. 1 x Cylinder head sub-assy		9.0	92	80 in.·lbf
Oil level gage guide x Water by-pass pipe No. 1		13	133	10
Intake manifold x Cylinder head sub-assy		30	306	22
Flywheel sub-assy x Crankshaft	1st	49	500	36
(see page 14-27)	2nd	Turn 90°	Turn 90°	Turn 90°
Drive plate & ring gear sub-assy x Crankshaft		88	897	65
Transverse engine engine mounting bracket rear x Transverse engine engine mounting insulator rear				
	TMMC, NUMMI made	65	663	48
	TAKAOKA, TAL made	87	887	64
Transverse engine engine mounting bracket front x Transverse engine engine mounting insulator front		52	530	38
Transverse engine engine mounting bracket LH x Transverse engine engine mounting insulator LH		80	816	59
Transverse engine engine mounting bracket RH x Transverse engine engine mounting insulator RH		52	530	38
Front suspension crossmember sub-assy x Body	Front	113	1,152	83
(See page 14-27)	Rear	157	1,601	116
Engine mounting member sub-assy center x Body		39	398	29
Floor panel brace front x Body		30	306	22
Return tube sub-assy x Body	Bolt A	5.0	51	44 in.·lbf
(See page 14-27)	Bolt B	7.8	80	69 in.·lbf
Cruise control actuator x Cruise control bracket		6.0	61	53 in.·lbf
Air cleaner case x Body		7.0	71	62 in.·lbf
Air cleaner case x Transverse engine engine mounting bracket LH		7.0	71	62 in.·lbf

SERVICE SPECIFICATIONS – ENGINE MECHANICAL

Part Tightened		N·m	kgf·cm	ft·lbf
Battery carrier x Body		13	133	10
Battery clamp sub-assy x Body		5.0	51	44 in.·lbf
Battery clamp sub-assy x Battery clamp bolt		3.5	36	31 in.·lbf
Radiator support upper x Body		19	194	14
Front wheel RH & LH x Front axle hub sub-assy RH & LH		103	1,050	76
Oil strainer sub-assy x Crankshaft bearing cap sub-assy		9.0	92	80 in.·lbf
Oil pan sub-assy x Crankshaft bearing cap sub-assy		9.0	92	80 in.·lbf
Oil pan drain plug x Oil pan sub-assy		37	377	27
Oil filter union x Crankshaft bearing cap sub-assy		30	306	22
Cylinder head sub-assy x Cylinder block sub-assy (See page 14-45)	1st 2nd	49 Turn 90°	500 Turn 90°	36 Turn 90°
Camshaft timing gear assy x Camshaft		54	551	40
Oil control valve filter x Cylinder head sub-assy		30	306	22
Camshaft timing oil control valve assy x Cylinder head sub-assy		9.0	92	80 in.·lbf
Oil pump assy x Cylinder block sub-assy		9.0	92	80 in.·lbf
Chain vibration damper No. 1 x Cylinder head sub-assy		9.0	92	80 in.·lbf
Chain vibration damper No. 1 x Cylinder block sub-assy		9.0	92	80 in.·lbf
Chain tensioner slipper x Cylinder block sub-assy		19	189	14
Stud bolt x Timing chain cover sub-assy		5.0	51	44 in.·lbf
Timing chain or belt cover sub-assy x Cylinder head sub-assy		13	133	10
Timing chain or belt cover sub-assy x Cylinder block sub-assy (See page 14-45)	A B	13 19	133 189	10 14
Crankshaft pulley x Crankshaft		138	1,407	102
Water pump assy x Timing chain cover sub-assy (See page 14-45)	A B	9.0 11	92 112	80 in.·lbf 8
Transverse engine engine mounting bracket x Timing chain or belt cover sub-assy		47	479	35
Spark plug x Cylinder head sub-assy		25	255	18
Ventilation valve sub-assy x Cylinder head cover sub-assy		30	306	22
Stud bolt x Cylinder head sub-assy (See page 14-134)	A, D and E B and C	9.5 5.0	97 51	84 in.·lbf 44 in.·lbf
W/ Head taper screw plug No. 2 x Cylinder head sub-assy		44	449	33
Connecting rod cap x Connecting rod (See page 14-147)	1st 2nd	20 Turn 90°	204 Turn 90°	15 Turn 90°
Crankshaft bearing cap sub-assy x Cylinder block sub-assy (See page 14-147)	1st 2nd Others	44 Turn 90° 19	449 Turn 90° 194	33 Turn 90° 14
Stud bolt x Cylinder block sub-assy (See page 14-147)	A, C, D and E B	5.0 11	51 112	44 in.·lbf 8
Cylinder block water drain cock sub-assy x Cylinder block sub-assy		25	255	18

EXHAUST

SERVICE DATA

030P6-03

Compression spring		
Free length	Minimum Exhaust pipe assy front x Exhaust manifold	41.5 mm (1.634 in.)
	Exhaust pipe assy front x Tail pipe assy	38.5 mm (1.516 in.)

TORQUE SPECIFICATION

Part Tightened	N·m	kgf·cm	ft·lbf
Exhaust pipe assy front x Exhaust manifold	43	440	32
Exhaust pipe assy front x Tail pipe assy	43	440	32
Floor panel brace front x Body	30	302	22
Oxygen sensor No. 1 x Exhaust pipe assy front	44	450	33

EXTERIOR/INTERIOR TRIM

TORQUE SPECIFICATION

030PV-02

Part Tightened	N·m	kgf·cm	ft·lbf
Radiator grille - Body	5.0	51	44 in·lbf
Front bumper reinforcement - Body	36	367	27
Rear bumper arm LH - Body	36	367	27
Rear bumper arm RH - Body	36	367	27
Rear bumper reinforcement No.1 - Rear bumper arm LH	36	367	27
Rear bumper reinforcement No.1 - Rear bumper arm RH	36	367	27
Bumper mounting set bolt No. 1 - Body	5.5	56	49 in·lbf
Front seat outer belt floor anchor x Body	41.2	420	30

FRONT SUSPENSION

SERVICE DATA

03000-01

Cold tire inflation pressure	Tire size: P185/65R15 86S P195/65R15 89S P195/65R15 89H	Front, Rear Front, Rear Front, Rear	210 kPa (2.1 kgf/cm ² , 30 psi)
Front wheel alignment	Vehicle height USA, Canada	Front: A *1 – B *2 Rear: D *4 – C *3	87 mm (3.43 in.) 43 mm (1.69 in.)
	Mexico	Front: A *1 – B *2 Rear: D *4 – C *3	72 mm (2.84 in.) 29 mm (1.14 in.)
	Toe-in (total)	Rack end length difference	0° ± 12' (0° ± 0.2°, 0 ± 2 mm, 0 ± 0.08 in.) 1.5 mm (0.059 in.) or less
	Wheel turning angle USA, Canada	Inside wheel	37°06' ± 2° (37.10° ± 2°)
		Outside wheel: Reference	31°49' 31.82°
	Mexico	Inside wheel	37°16' ± 2° (37.27° ± 2°)
		Outside wheel: Reference	32°08' 32.13°
Camber		USA, Canada:	–0°32' ± 45' (–0.53° ± 0.75°)
		Mexico:	–0°22' ± 45' (–0.37° ± 0.75°)
		Right-left error	45' (0.75°) or less
Caster		USA, Canada:	2°50' ± 45' (2.83° ± 0.75°)
		Mexico:	2°43' ± 45' (2.72° ± 0.75°)
		Right-left error	45' (0.75°) or less
Steering axis inclination		USA, Canada:	11°21' ± 45' (11.35° ± 0.75°)
		Mexico:	10°59' ± 45' (10.98° ± 0.75°)
		Right-left error	45' (0.75°) or less
Front suspension	Lower ball joint turning torque		0.98 – 4.9 N·m (10 – 50 kgf·cm, 8.7 – 43 in.·lbf)
	Stabilizer bar link ball joint turning torque		0.05 – 0.96 N·m (0.5 – 20 kgf·cm, 0.4 – 1.7 in.·lbf)

*1: Ground clearance of front wheel center

*2: Ground clearance of lower suspension arm front bolt center

*3: Ground clearance of axle beam set bolt center

*4: Ground clearance of rear wheel center

TORQUE SPECIFICATION

Part Tightened	N·m	kgf·cm	ft·lbf
Tie rod end lock nut	74	755	55
Steering knuckle x Shock absorber	153	1,560	113
Hub nut	103	1,050	76
Suspension support x Piston rod	47	479	34
Suspension support x Body	39	398	29
ABS speed sensor wire harness bracket set bolt	29	296	21
Suspension cross member x Body	Bolt A:	157	1,601
	Bolt B:	113	1,152
Suspension cross member x Transverse engine engine mounting insulator	52	530	38
Rack & pinion power steering gear assy set bolt	58	591	43
Steering knuckle x Lower ball joint	103	1,050	76
Stabilizer bracket No.1 x Suspension cross member	19	194	14
Stabilizer bar link set nut	74	755	55
Lower suspension arm x Lower ball joint	89	908	66
Lower suspension arm x Suspension cross member	137	1,397	101

FUEL

SERVICE DATA

0300Y-01

Fuel pressure	at idle	304 – 343 kPa (3.1 – 3.5 kgf/cm ² , 44 – 50 psi)
Fuel injector assy		
Resistance	at 20°C (68°F)	13.4 – 14.2Ω
Injection volume		60 – 73 cm ³ (3.7 – 4.5 cu in.) per 15 seconds
Difference between each injector		13 cm ³ (0.8 cu in.) or less
Fuel drop		1 drop or less per 12 minutes
Fuel pump		
Resistance	at 20°C (68°F)	0.2 – 3.0 Ω
Compression spring		
Free length	Front side	43 mm (1.6929 in.)
	Rear side	40 mm (1.5748 in.)

TORQUE SPECIFICATION

Part Tightened		N·m	kgf·cm	ft·lbf
Fuel delivery pipe sub-assy x Cylinder head sub-assy	Bolt A	19	194	14
	Bolt B	9.0	92	80 in·lbf
Cylinder head cover No. 2 x Cylinder head cover sub-assy		7.0	71	62 in·lbf
Fuel tank vent tube set plate x Fuel tank assy		6.0	61	53 in·lbf
Fuel tube clamp No. 4 x Fuel tank assy		6.0	61	53 in·lbf
Fuel tank band sub-assy No. 1 x Body		39	400	29
Fuel tank band sub-assy No. 1 LH x Body		39	400	29
Parking brake cable assy No. 2 x Body		5.4	55	48 in·lbf
Parking brake cable assy No. 3 x Body		5.4	55	48 in·lbf
Fuel tank protector No. 1 x Body		5.4	55	48 in·lbf
Fuel tank protector No. 1 x Fuel tank band sub-assy No. 1		5.4	55	48 in·lbf
Exhaust pipe assy front x Exhaust manifold		43	440	32
Exhaust pipe assy front x Tail pipe assy		43	440	32
Floor panel brace front x Body		30	302	22

HEATER & AIR CONDITIONER

03001-01

SERVICE DATA

Refrigerant charge volume	Standard:	490 ± 30 g (17.28 ± 1.06 oz.)
Magnetic clutch clearance		0.35 – 0.60 mm (0.013 – 0.023 in.)

TORQUE SPECIFICATION

Part Tightened	N·m	kgf·cm	ft·lbf
AIR CONDITIONER UNIT ASSY			
Air conditioning tube assy x Cooler evaporator sub-assy No. 1	3.5	35	30 in·lbf
Air conditioner unit assy x Body	9.8	100	87 in·lbf
ECM x Blower assy	3.0	30	26 in·lbf
COOLER COMPRESSOR ASSY			
Magnet clutch hub x Cooler compressor assy	18	183	13
Compressor and magnetic clutch x Engine	29	295	21
Discharge hose sub-assy x Compressor and magnetic clutch	9.8	100	87 in·lbf
Cooler refrigerant suction hose No. 1 x Compressor and magnetic clutch	9.8	100	87 in·lbf
W/RECEIVER CONDENSER ASSY			
Cap x W/receiver condenser assy	2.9	29	25 in·lbf
W/receiver condenser assy x Body	9.8	100	87 in·lbf
Cooler refrigerant discharge hose No. 1 x W/receiver condenser assy	5.4	55	48 in·lbf
Cooler refrigerant liquid pipe A x W/receiver condenser assy	5.4	55	48 in·lbf

ENGINE HOOD/DOOR

TORQUE SPECIFICATION

03003-02

Part Tightened	N·m	kgf·cm	ft·lbf
HOOD			
Hood x Hood hinge	13	133	10
Hood lock x Body	7.0	82	71 in·lbf
FRONT DOOR			
Front door check assembly (door panel side bolt) x Front door	5.5	56	49 in·lbf
Front door frame sub-assy rear lower x Front door	6.2	63	55 in·lbf
Front door glass sub-assy x Front door window regulator sub-assy	8.0	82	71 in·lbf
Front door hinge x Body	26	265	19
Front door hinge x Door panel	26	265	19
Front door lock assy x Front door	5.0	51	44 in·lbf
Front door lock striker x Body	23	235	17
Front door outside handle frame sub-assy x Front door	4.0	41	35 in·lbf
Front door outside handle cover installation bolt (torx)	4.0	41	35 in·lbf
Front door window regulator sub-assy x Front door	8.0	82	71 in·lbf
Outer rear view mirror assy x Front door	8.0	82	71 in·lbf
Power window regulator motor assy x Front door window regulator	5.4	55	48 in·lbf
REAR DOOR			
Rear door check assembly (door panel side bolt) x Rear door	5.5	56	49 in·lbf
Rear door hinge x Body	26	265	19
Rear door hinge x Door panel	26	265	19
Rear door lock assy x Rear door	5.0	51	44 in·lbf
Rear door lock striker x Body	23	235	17
Rear door outside handle frame sub-assy x Rear door	4.0	41	35 in·lbf
Rear door outside handle cover installation bolt (torx)	4.0	41	35 in·lbf
Rear door window regulator sub-assy x Rear door	8.0	82	71 in·lbf
Rear door window division bar x Door panel Bolt A	6.2	63	55 in·lbf
Power window regulator motor assy x Rear door window regulator	5.4	55	48 in·lbf
LUGGAGE COMPARTMENT DOOR			
Luggage compartment door hinge x Luggage compartment door	7.0	71	62 in·lbf
Luggage compartment door lock assy x Luggage compartment door	5.5	56	49 in·lbf
Rear door lock striker x Body	5.5	56	49 in·lbf

IGNITION

SERVICE DATA

030P2-01

Spark plug Recommended spark plug	DENSO made NGK made Standard	SK16R11 IFR5A11 1.1mm (0.043 in.)
Electrode gap		
Crank position sensor No. 1 Resistance	at cold at hot	835–1,400Ω 1,060–1,645Ω
Crank position sensor Resistance	at cold at hot	1,630–2,740Ω 2,065–3,225Ω
Ignition relay Specified condition	Between terminals 1 and 2 Between terminals 3 and 5	Continuity No continuity

TORQUE SPECIFICATION

Part Tightened	N·m	kgf·cm	ft·lbf
Spark plug x Cylinder head cover	25	225	18
Ignition coil x Cylinder head cover	9.0	92	80 in·lbf

INSTRUMENT PANEL/METER

TORQUE SPECIFICATION

030PZ-01

Part Tightened	N·m	kgf·cm	ft·lbf
Instrument panel reinforce - Body	20	204	15

LUBRICATION

SERVICE DATA

030P4-02

Oil pressure	at idle speed at 3,000 rpm	29 kPa (0.3 kgf-cm ² , 4.2 psi) or more 294 to 539 kPa (3.0 to 5.5 kgf-cm ² , 43 to 78 psi)
Oil pump assy		
Tip clearance		0.040 to 0.160 mm (0.0016 to 0.0063 in.)
Body clearance		0.260 to 0.325 mm (0.0102 to 0.0128 in.)
Side clearance		0.025 to 0.071 mm (0.0010 to 0.0028 in.)

TORQUE SPECIFICATION

Part Tightened	N·m	kgf·cm	ft·lbf
Oil pressure switch x Crankshaft bearing cap sub-assy	15	153	11
Oil pump assy x Cylinder block sub-assy	9.0	92	80 in·lbf
Chain vibration damper No. 1 x Cylinder head sub-assy	9.0	92	80 in·lbf
Chain vibration damper No. 1 x Cylinder block sub-assy	9.0	92	80 in·lbf
Oil pan drain plug x Oil pan sub-assy	37	377	27
Oil pump cover x Oil pump body	10	105	8
Oil pump relief valve plug x Oil pump body	37	375	27

MANUAL TRANSMISSION / TRANSAXLE

0300D-01

SERVICE DATA

MANUAL TRANSAXLE ASSY		
5th gear thrust clearance	STD:	0.10 – 0.57 mm (0.0039 – 0.0224 in.)
	MAX:	0.57 mm (0.0224 in.)
5th gear radial clearance	KOYO made	STD: 0.015 – 0.058 mm (0.0006 – 0.0023 in.)
		MAX: 0.058 mm (0.0023 in.)
	NSK made	STD: 0.015 – 0.056 mm (0.0006 – 0.0022 in.)
		MAX: 0.056 mm (0.0022 in.)
Synchronizer ring No.3 back and 5th gear spline end clearance	Min:	0.75 mm (0.0295 in.)
5th gear inner diameter	STD:	29.915 – 29.931mm (1.1778 – 1.1783 in.)
	MAX:	29.931mm (1.1783 in.)
Reverse idler gear sub-assy inner diameter	STD:	18.040 – 18.058 mm (0.7102 – 0.7109 in.)
	MAX:	18.058 mm (0.7109 in.)
Reverse idler gear shaft outer diameter	STD:	17.966 – 17.984 mm (0.7073 – 0.7080 in.)
	Min:	17.966 mm (0.7073 in.)
Front transaxle case oil seal drive in depth		15.6 – 16.0 mm (0.6142 – 0.6299 in.)
Input shaft front bearing drive in depth		0 – 0.3 mm (0 – 0.012 in.)
Front differential case shim thickness	AA:	2.10 mm (0.0827 in.)
	BB:	2.15 mm (0.0846 in.)
	CC:	2.20 mm (0.0866 in.)
	DD:	2.25 mm (0.0886 in.)
	EE:	2.30 mm (0.0906 in.)
	FF:	2.35 mm (0.0925 in.)
	GG:	2.40 mm (0.0945 in.)
	HH:	2.45 mm (0.0965 in.)
	JJ:	2.50 mm (0.0984 in.)
	KK:	2.55 mm (0.1004 in.)
	LL:	2.60 mm (0.1024 in.)
	MM:	2.65 mm (0.1043 in.)
	NN:	2.70 mm (0.1063 in.)
	PP:	2.75 mm (0.1083 in.)
	QQ:	2.80 mm (0.1102 in.)
	RR:	2.85 mm (0.1122 in.)
	SS:	2.90 mm (0.1142 in.)
	TT:	2.95 mm (0.1161 in.)
	UU:	3.00 mm (0.1181 in.)
Transmission case oil seal drive in depth		9.9 ± 0.3 mm (0.390 ± 0.012 in.)
Transaxle case oil seal drive in depth		1.9 ± 0.3 mm (0.075 ± 0.012 in.)
Reverse restrict pin slotted pin drive in depth		15.5 ± 16.5 mm (0.6102 ± 0.6496 in.)
Transmission clutch hub No.3 snap ring thickness	A:	2.25 mm (0.0886 in.)
	B:	2.31 mm (0.0909 in.)
	C:	2.37 mm (0.0933 in.)
	D:	2.43 mm (0.0957 in.)
	E:	2.49 mm (0.0980 in.)
	F:	2.55 mm (0.1004 in.)
	G:	2.61 mm (0.1028 in.)
INPUT SHAFT ASSY		
4th gear thrust clearance	STD:	0.10 – 0.55 mm (0.0039 – 0.0217 in.)
	MAX:	0.55 mm (0.0217 in.)
3rd gear thrust clearance	STD:	0.10 – 0.35 mm (0.0039 – 0.0138 in.)
	MAX:	0.35 mm (0.0138 in.)
4th gear radial clearance	KOYO made	STD: 0.015 – 0.058 mm (0.0006 – 0.0023 in.)
		MAX: 0.058 mm (0.0023 in.)
	NSK made	STD: 0.015 – 0.056 mm (0.0006 – 0.0022 in.)
		MAX: 0.056 mm (0.0022 in.)

3rd gear radial clearance	KOYO made STD: MAX: NSK made STD: MAX:	0.015 – 0.058 mm (0.0006 – 0.0023 in.) 0.058 mm (0.0023 in.) 0.015 – 0.056 mm (0.0006 – 0.0022 in.) 0.056 mm (0.0022 in.)
Input shaft run out	MAX:	0.015 mm (0.0006 in.)
Input shaft outer diameter	STD: A B C D Min: A B C D	24.885 – 24.900 mm (0.9797 – 0.9803 in.) 28.985 – 29.000 mm (1.1411 – 1.1417 in.) 30.985 – 31.000 mm (1.2198 – 1.2204 in.) 24.985 – 25.000 mm (0.9836 – 0.9842 in.) 24.885 mm (0.9797 in.) 28.985 mm (1.1411 in.) 30.985 mm (1.2198 in.) 24.985 mm (0.9836 in.)
4th gear inside diameter	STD: MAX:	34.015 – 34.031 mm (1.3391 – 1.3398 in.) 34.031 mm (1.3398 in.)
3rd gear inside diameter	STD: MAX:	36.015 – 36.031 mm (1.4179 – 1.4185 in.) 36.031 mm (1.4185 in.)
3rd gear synchronizer ring back and 3rd gear spline end clearance	Min:	0.65 mm (0.0256 in.)
4th gear synchronizer ring back and 3rd gear spline end clearance	Min:	0.75 mm (0.0295 in.)
Gear shift fork No.2 claw and glove of the transmission hub sleeve No.2 clearance		0.15 – 0.35 mm (0.0059 – 0.0137 in.)
Transmission clutch hub No.2 snap ring thickness	Mark: 0 1 2 3 4 5	2.30 mm (0.0906 in.) 2.36 mm (0.0929 in.) 2.42 mm (0.0953 in.) 2.48 mm (0.0976 in.) 2.54 mm (0.1000 in.) 2.60 mm (0.1024 in.)
Input shaft rear radial ball bearing snap ring	Mark: 0 1 2 3 4 5	2.29 mm (0.0901 in.) 2.35 mm (0.0925 in.) 2.41 mm (0.0948 in.) 2.47 mm (0.0972 in.) 2.53 mm (0.0996 in.) 2.59 mm (0.1019 in.)
OUTPUT SHAFT ASSY		
1st gear thrust clearance	STD:	0.10 – 0.40 mm (0.0039 – 0.0157 in.)
2nd gear thrust clearance	STD:	0.10 – 0.45 mm (0.0039 – 0.0177 in.)
1st gear radial clearance	KOYO made: NSK made:	0.015 – 0.058 mm (0.0006 – 0.0023 in.) 0.015 – 0.056 mm (0.0006 – 0.0022 in.)
1st gear radial clearance	KOYO made: NSK made:	0.015 – 0.058 mm (0.0006 – 0.0023 in.) 0.015 – 0.056 mm (0.0006 – 0.0022 in.)
Output shaft maximum run out		0.015 mm (0.0006 in.)
Output shaft outer diameter	Part: A B C	31.985 mm (1.2592 in.) 37.985 mm (1.4955 in.) 32.985 mm (1.2986 in.)
2nd gear inside diameter	New: MAX:	38.015 – 38.031 mm (1.4967 – 1.4973 in.) 38.031 mm (1.4973 in.)
1st gear inside diameter	New: MAX:	44.015 – 44.031 mm (1.7329 – 1.7335 in.) 44.031 mm (1.7335 in.)
1st gear thrust washer thickness	New: Min:	5.975 – 6.025 mm (0.2352 – 0.2372 in.) 5.975 mm (0.2352 in.)
Synchronizer ring set No.2 back and 2nd gear spline end clearance		0.7 – 1.3 mm (0.0276 – 0.0512 in.)
Synchronizer ring set No.1 back and 2nd gear spline end clearance		0.75 – 1.65 mm (0.0295 – 0.065 in.)
Reverse gear groove and reverse gear shift fork claw clearance		0.15 – 0.35 mm (0.0059 – 0.0138 in.)

SERVICE SPECIFICATIONS – MANUAL TRANSMISSION / TRANSAXLE

Output shaft front bearing snap ring thickness	7	1.85 – 1.90 mm (0.728 – 0.0748 in.)
	8	1.90 – 1.95 mm (0.748 – 0.0768 in.)
	1	1.95 – 2.00 mm (0.768 – 0.0787 in.)
	2	2.00 – 2.05 mm (0.787 – 0.0807 in.)
	3	2.05 – 2.10 mm (0.807 – 0.0827 in.)
	4	2.10 – 2.15 mm (0.827 – 0.0846 in.)
	5	2.15 – 2.20 mm (0.846 – 0.0866 in.)
Transmission clutch hub No.1 snap ring thickness	6	2.20 – 2.25 mm (0.866 – 0.0886 in.)
	A	2.50 mm (0.0984 in.)
	B	2.56 mm (0.1008 in.)
	C	2.62 mm (0.1031 in.)
	D	2.68 mm (0.1055 in.)
	E	2.74 mm (0.1079 in.)
	F	2.80 mm (0.1102 in.)
DIFFERENTIAL CASE ASSY		
Front differential side gear backlash		0.05 – 0.20 mm (0.0020 – 0.0079 in.)
Front differential pinion thrust washer thickness		0.92 mm (0.0362 in.)
Front differential pinion shaft No.1 outer diameter		16.982 mm (0.6686 in.)
Front differential side gear thrust washer		0.95 mm (0.0374 in.)
		1.00 mm (0.0394 in.)
		1.05 mm (0.0413 in.)
		1.10 mm (0.0433 in.)
		1.15 mm (0.0453 in.)
		1.20 mm (0.0472 in.)
SHIFT & SELECT LEVER SHAFT ASSY		
Control shaft cover oil seal drive in depth		0.7 ± 0.5 mm (0.0276 ± 0.0197 in.)
Select inner lever slotted pin drive in depth		3.0 – 4.0 mm (0.1181 – 0.1575 in.)
Shift lever inner No.1 slotted pin drive in depth		0 ± 0.5 mm (0 ± 0.0197 in.)
Shift lever inner No.2 slotted pin drive in depth		0 ± 0.5 mm (0 ± 0.0197 in.)

TORQUE SPECIFICATION

Part Tightened		N·m	kgf·cm	ft·lbf
Floor shift transmission control cable assy x Body		5.0	51	44 in.·lbf
Front floor heat insulator No.1 x Body		5.5	56	49 in.·lbf
Airbag sensor assy center x Body		17.5	178	13
Shift cable grommet retainer No.1 x Body		5.0	51	44 in.·lbf
Clamp x Body		5.0	51	44 in.·lbf
Floor shift shift lever assy x Body		12	120	9
Filler and drain plugs		39.2	400	29
Engine hanger set bolt		38	387	28
Engine mounting bracket RR x Transaxle		64	653	47
Engine mounting bracket RR x Engine mounting insulator RR		87	888	64
Engine mounting bracket FR x Transaxle		64	653	47
Engine mounting bracket FR x Engine mounting insulator FR		52	530	38
Manual transaxle assy x Engine	Bolt A:	64	650	47
	Bolt B:	47	480	35
	Bolt C:	23	230	17
Transverse engine engine mounting bracket LH x Transaxle		52	530	38
Engine mounting bracket LH x Engine mounting insulator LH	Bolt A:	52	530	38
	Nut B:	80	816	59
Starter assy x Manual transaxle assy		37	378	27
Starter wire set nut		9.8	100	87 in.·lbf
Clutch release cylinder assy x Transaxle	Bolt A:	25	250	19
	Bolt B:	12	120	9
	Bolt C:	5.0	21	44 in.·lbf
Manual transaxle assy x Wire harness clmap	Bolt A:	25.5	260	19
	Bolt B:	12.8	131	9
Manual transaxle assy x Ground cable		13	133	10
Battery carrier x Body		13	133	10
Battery clamp sub-assy x Body	Bolt:	5.0	51	44 in.·lbf
	Nut:	3.5	36	31 in.·lbf
Air cleaner assy x Body		7.0	71	62 in.·lbf
Cylinder head cover No.2 x Engine		7.0	71	62 in.·lbf
Hood set bolt		13	133	10
Bearing lock plate x transaxle case		11.3	115	8
Oil receiver pipe No.1 x Manual transmission case		17.2	175	13
Oil receiver pipe No.2 x Manual transmission case		17.2	175	13
Reverse restrict pin plug x Manual transmission case		12.7	130	9
Manual transaxle case receiver x Transaxle case		11.3	115	8
Gear shift fork No.1 x Gear shift fork shaft No.1		15.7	160	12
Gear shift head No.1 x Gear shift fork shaft No.2		15.7	160	12
Gear shift fork No.2 x Gear shift fork shaft No.2		15.7	160	12
Reverse shift arm bracket assy x Transaxle case		17.2	175	13
Trasaxle case x Manual transmission case		29.4	300	22
Manual transmission case x Transaxle case		29.4	300	22
Reverse idler gear shaft bolt x Manual transmission case		29.4	300	22
Lock ball assy No.1 x Manual transaxle assy		39.2	400	29
Shift detent ball plug Manual transmission case		24.5	250	18
Shift detent ball plug x Transaxle case		24.5	250	18
Bearing retainer rear x Manual transmission case		27.4	279	20
Gear shift fork No.3 x Gear shift fork shaft No.3		15.7	160	12
Manual transmission output shaft rear set nut x Output shaft		117.6	1,200	87
Manual transmission case cover sub-assy x Manual transmission case		18.1	185	14

SERVICE SPECIFICATIONS – MANUAL TRANSMISSION / TRANSAXLE

Part Tightened	N·m	kgf·cm	ft·lbf
Shift & select lever shaft assy x Manual transmission case	19.6	200	14
Lock ball assy No.1 x Manual transmission case	29.4	300	22
Selecting bell crank assy x Manual transmission case	24.5	250	18
Floor shift control lever housing support bracket x Transaxle case	11.3	115	8
Back up lamp switch assy x Manual transmission case	40.2	410	30
Speedometer driver hole cover sub-assy x Manual transaxle assy	11.3	115	8
Speedometer sensor x Manual transaxle assy	11.3	115	8
Release fork support x Transaxle case	36.8	375	25
Drain plug sub-assy x Manual transmission case	39.2	400	29
Manual transmission filler plug x Manual transmission case	39.2	400	29
Front differential case x Front differential ring gear	77.4	789	57
Selecting bell crank x Selecting bell crank No.2	11.8	120	9

PARKING BRAKE
SERVICE DATA

03006-01

Parking brake lever travel at 196 N (20 kgf, 44.1 lbf):	6 – 9 clicks
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TORQUE SPECIFICATION

Part Tightened	N·m	kgf·cm	ft·lbf
Wheel nut	103	1,050	76
Parking brake lock nut	5.0	55	44 in·lbf
Parking brake lever sub-assy x body	12.5	130	9
Heat insulator No.2 x Body	5.5	55	48 in·lbf
Heat insulator No.1 x Body	5.5	55	48 in·lbf
Fuel tank protector No.1 x Body	5.5	55	48 in·lbf
Exhaust pipe installation bolt	43	440	32
Front floor panel brace	29.6	302	21
Parking brake cable assy No.3 x Body	5.4	55	48 in·lbf
Parking brake cable assy No.3 x Backing plate	7.8	80	69 in·lbf

POWER STEERING

SERVICE DATA

030QA-01

POWER STEERING FLUID		
Fluid level rise	Maximum	5 mm (0.20 in.)
Fluid pressure at idle speed with valve closed		7,300 – 7,800 kPa (75 – 80 kgf/cm ² , 1,067 – 1,138 psi)
STEERING WHEEL		
Steering effort at idle speed	(Reference)	6 N·m (60 kgf·cm, 53 in.-lbf)
POWER STEERING VANE PUMP		
Vane pump rotating torque		0.27 N·m (2.8 kgf·cm, 2.4 in.-lbf) or less
Vane pump shaft and vane pump housing oil clearance	STD	0.021 – 0.043 mm (0.0008 – 0.0017 in.)
	Maximum	0.07 mm (0.0028 in.)
Vane plate height	Minimum	7.6 mm (0.299 in.)
Vane plate thickness	Minimum	1.405 mm (0.0553 in.)
Vane plate length	Minimum	11.993 mm (0.4722 in.)
Clearance between the rotor groove and plate	Maximum	0.03 mm (0.0012 in.)
Spring free length	Minimum	36.9 mm (1.453 in.)
POWER STEERING GEAR		
Steering rack runout	Maximum	0.1 mm (0.004 in.)
Total preload (Tie rod rotating torque)	(Turning)	0.49 – 3.43 N·m (5.0 – 35 kgf·cm, 4.34 – 30.38 in.-lbf)
Total preload (Control valve rotating torque)	(Turning)	1.0 – 1.8 N·m (10 – 18 kgf·cm, 8.6 – 15.7 in.-lbf)

TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
POWER STEERING VANE PUMP			
Vane pump housing rear x Vane pump housing front	22	220	16
Pressure port union	69	700	51
Suction port union set bolt	12	122	9
Oil pressure switch	21	210	15
Vane pump assy x Vane pump bracket rear	37	380	27
Vane pump assy set bolt	37	380	27
Pressure feed tube assy x Vane pump assy	41 (44)	420 (450)	30 (33)
Pressure feed tube assy clamp set bolt	7.8	80	69 in.·lbf
POWER STEERING GEAR			
Engine hanger set bolt	38	390	28
Control valve housing set bolt	18	185	13
Self-locking nut	25	250	18
Rack housing cap	59	600	43
Rack guide spring cap lock nut	43 (59)	440 (600)	32 (43)
Power steering rack x Rack end	62 (83)	630 (850)	46 (61)
Tie rod assy lock nut	74	750	54
Turn pressure tube union nut	12 (13)	120 (130)	9 (9)
Rack & pinion power steering gear assy set bolt and nut	58	590	43
Pressure feed and return tubes x Control valve housing	23 (25)	235 (255)	17 (18)
Pressure feed tube clamp set bolt	7.8	80	69 in.·lbf
Stabilizer link assy set nut	74	755	55
Tie rod assy set nut	49	500	36
Intermediate shaft sub-assy x Control valve shaft	35	360	26
Front suspension crossmember sub-assy x Frame	Bolt A	157	1,600
	Bolt B	157	1,600
Center member x Frame	39	400	29
Center member x Engine mounting insulator FR	52	530	38
Crossmember x Engine mounting insulator RR	52	530	38
Front suspension arm sub-assy lower No.1 x Lower ball joint	89	910	66
Hub nut	103	1,050	76

(): For use without SST

REAR SUSPENSION

030PR-01

SERVICE DATA

Rear wheel alignment	Toe-in (total)		
	USA, Canada	P195/65R15 89S P185/65R15 86S	0°16' ± 16' (0.26° ± 0.26°, 2.6 ± 2.5 mm, 0.10 ± 0.10 in.) 0°16' ± 16' (0.26° ± 0.26°, 2.6 ± 2.5 mm, 0.10 ± 0.10 in.)
	Mexico	P195/65R15 89H	0°01' ± 16' (0.16° ± 0.26°, 1.6 ± 2.5 mm, 0.06 ± 0.10 in.)
	Camber	USA, Canada: Mexico: Right-left error	-1°27' ± 30' (-1.45° ± 0.5°) -1°26' ± 30' (-1.43° ± 0.5°) 30' (0.5°) or less

TORQUE SPECIFICATION

Part Tightened	N·m	kgf·cm	ft·lbf
Piston rod set nut	56	571	41
Shock absorber x Body	80	816	59
Hub nut	103	1,050	76
Shock absorber x Rear axle beam	80	816	59
Stabilizer bar x Rear axle beam	195	1,990	144
Rear axle hub set bolt	61	622	45
Parking brake cable bracket set bolt	5.4	55	48 in·lbf
Skid control sensor wire harness bracket set bolt	(A) 5.4	55	48 in·lbf
	(B) 5.0	51	44 in·lbf
Rear axle beam x Body	85	867	62

SEAT BELT

TORQUE SPECIFICATION

030PY-02

Part Tightened	N·m	kgf·cm	ft·lbf
FRONT SEAT BELT			
Front shoulder belt anchor adjuster assy x Body	41.2	420	30
Front seat outer belt assy (Upper part of retractor) x Body	4.9	50	43 in.·lbf
Front seat outer belt assy (Lower part of retractor) x Body	41.2	420	30
Front seat outer belt shoulder anchor x Body	41.2	420	30
Front seat outer belt floor anchor x Body	41.2	420	30
Front seat inner belt assy x Front seat	41.2	420	30
REAR SEAT BELT			
Child restraint seat anchor bracket sub-assy x Body	18.1	185	13.3
Rear seat inner w/center belt assy LH x Body	41.2	420	30
Rear seat inner w/center belt assy RH x Body	41.2	420	30
Rear seat belt assembly outer center x Body	41.2	420	30
Rear seat belt assembly outer (Retractor side) x Body	41.2	420	30
Rear seat belt assembly outer (Floor anchor side) x Body	41.2	420	30

SEAT

TORQUE SPECIFICATION

030PU-01

Part Tightened	N·m	kgf·cm	ft·lbf
FRONT SEAT			
Seat back assembly x Seat adjuster assembly	43	440	32
Seat belt inner x Seat adjuster assembly	42	430	31
Seat assembly x Body	47	480	35
REAR SEAT (SEDAN WITH SEPARATE TYPE)			
Seat back hinge x Seat back	18	185	13
REAR SEAT (SEDAN WITH BENCH TYPE)			
Seat back assembly x Body	7.8	80	69 in·lbf

SLIDING ROOF/CONVERTIBLE

030QN-02

SERVICE DATA

Sliding roof	Difference in level between sliding roof weatherstrip and roof panel	
	Except corners of rear side Corner of rear side	0 + 1.5 mm (0 ± 0.059 in.) -1.0 – 1.5 mm (-0.039 – 0.059 in.)

TORQUE SPECIFICATION

Part Tightened	N·m	kgf·cm	ft·lbf
Sliding roof glass assembly · Drive cable	4.0	41	35 in·lbf
Sliding roof housing assembly · Body	5.0	51	44 in·lbf
Sliding roof housing assembly · Sliding roof drive gear	5.4	55	47 in·lbf

SUPPLEMENTAL RESTRAINT SYSTEM

TORQUE SPECIFICATION

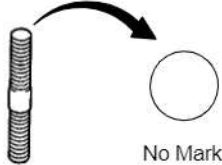
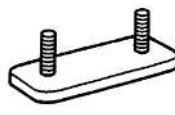
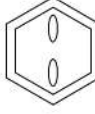
030FN-02

Part Tightened	N·m	kgf·cm	ft·lbf
Horn button assy x Steering wheel assy	8.8	90	78 in·lbf
Steering wheel assy x Steering column assy	50	510	37
Instrument panel passenger airbag assy x Instrument panel reinforcement	20	204	15
Airbag sensor assy center x Body	17.5	178	13
Airbag front RH sensor x Body	8.0	82	71 in·lbf
Airbag sensor front LH x Body	8.0	82	71 in·lbf
Side airbag sensor assy RH x Body	8.0	82	71 in·lbf
Seat position airbag sensor x Front seat	8.0	82	71 in·lbf

STANDARD BOLT

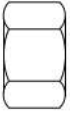
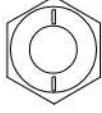
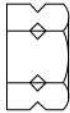
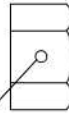
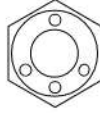
HOW TO DETERMINE BOLT STRENGTH

0307K-02

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

B06431

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

2004 COROLLA (RM1037U)

STARTING & CHARGING

SERVICE DATA

030PL-03

Starter assy		
Specified current		90 A or less at 11.5 V
Commutator length	Standard	3.3 mm (0.1299 in.)
	Minimum	4.0 mm (0.1575 in.)
Brush holder length	Standard	9.0 mm (0.3543 in.)
	Minimum	4.0 mm (0.1575 in.)
Snap ring length	Maximum	5.0 mm (0.1969 in.)
Generator assy		
Rotor coil resistance	at 20°C (68°F)	2.1 to 2.5 Ω
Slip ring diameter	Standard	14.2 to 14.4 mm (0.559 to 0.567 in.)
	Minimum	12.8 mm (0.504 in.)
Brush exposed length	Standard	9.5 to 11.5 mm (0.374 to 0.453 in.)
	Minimum	1.5 mm (0.059 in.)
Battery		
Voltage	at 20°C (68°F)	12.5 to 12.9 V

TORQUE SPECIFICATION

Part Tightened		N·m	kgf·cm	ft·lbf
Lead wire x Repair service starter kit		10	102	7
Starter x Engine	Bolt	37	378	27
	Nut	9.8	100	7
Commutator end frame x Starter drive housing assy		6.0	61	53 in.·lbf
Repair service starter kit x Starter drive housing assy		7.5	76	66 in.·lbf
Battery negative terminal x Battery		5.4	55	48 in.·lbf
Generator assy x Engine	M12	25	250	18
	M14	54	550	39
Rectifire end frame x Drive end frame (See page 19-18)	Nut A	4.5	46	39 in.·lbf
	Nut B	5.4	55	47 in.·lbf
Rectifire holder x Coil lead on rectifire end frame		2.9	30	26 in.·lbf
Voltage regulator x Rectifire end frame		2.0	20	18 in.·lbf
Brush holder x Rectifire end frame		2.0	20	18 in.·lbf
Rear end cover x Rectifire holder		4.4	45	39 in.·lbf
Plate terminal x Rectifire holder		3.9	39	35 in.·lbf
Terminal insulator x Rectifire holder		4.1	42	36 in.·lbf
Generator pulley x Rotor		111	1,125	81

STEERING COLUMN

03008-01

SERVICE DATA

STEERING SYSTEM		
Steering wheel freeplay	Maximum	30 mm (1.18 in.)

TORQUE SPECIFICATION

Part Tightened	N·m	kgf·cm	ft·lbf
Sliding yoke x Steering intermediate shaft	35	360	26
Sliding yoke x Steering column assy	35	360	26
Steering column assy set bolt	21	210	15
Steering wheel set nut	50	510	37
Steering wheel pad set screw (Torx screw)	8.8	90	78 in.·lbf

TIRE&WHEEL

SERVICE DATA

03002-01

Tire runout	3.0 mm (0.118 in.) or less
Imbalance after adjustment	8.0 g (0.018 lb) or less

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

WIPER & WASHER

TORQUE SPECIFICATION

030PT-01

Part Tightened	N·m	kgf·cm	ft·lbf
Wind shield wiper motor assy · Wiper link assy	7.5	76	66 in·lbf
Wiper link assy · Body	5.5	56	49 in·lbf
FR Wiper arm RH · Wiper link	20.5	209	15
FR Wiper arm LH · Wiper link	20.5	209	15