

REFERENCE VALUES FOR PERIODIC MAINTENANCE

ENGINE

1. ENGINE-RELATED

Standard:

Item	3SZ-VE	K3-VE
W/P pulley and P/S pump belt deflection (thrust force 100 N [10.2 kgf]) (mm): when installing new parts (when cold)	9-11	
W/P pulley and P/S pump belt deflection (thrust force 100 N [10.2 kgf]) (mm): for maintenance (when cold)	13-15	
W/P pulley and P/S pump belt tension (N [kgf]): when installing new parts (when cold)	883 ± 49{90 ± 5}	637 ± 49{65 ± 5}
W/P pulley and P/S pump belt tension (N [kgf]): for maintenance (when cold)	441 ± 98{45 ± 10}	
Battery fluid specific gravity (fluid temperature 20 ° C [68 ° F]): specified values	1.25-1.29	
Battery fluid specific gravity (fluid temperature 20 ° C [68 ° F]): difference between cells	Below 0.04	
Ignition timing (BTDC)/(r/min): EFI-T short circuit (*1)	4-8/600-750	
Ignition timing (BTDC)/(r/min): EFI-T open circuit (*1)	0-15/600-750	
Ignition timing (using the DS-II): TC terminal ON	BTDC 4-8CA	
Ignition timing (using the DS-II): TC terminal OFF	BTDC 0-15CA	
Idle speed (N and P range) (r/min)	600-750	
IN valve clearance (when cold) (mm)	0.145-0.235	
EX valve clearance (when cold) (mm)	0.275-0.365	
Tightening torque [N*m{kgf*cm}]	Check is unnecessary due to tightening of plasticity area	
Intake manifold tightening torque (N*m [kgf*cm])	19{194}	
Exhaust manifold tightening torque [N*m{kgf*cm}]	35{357}	
Compression pressure (330 r/min) (MPa [kgf/cm ²]): standard value	1.47{15.0}	
Compression pressure (330 r/min) (MPa [kgf/cm ²]): limit	1.08{11.0}	
Compression pressure (330 r/min) (MPa [kgf/cm ²]): difference between cylinders	0.15 (1.5) or below	
Spark plug gap (mm): specified values	0.8-0.9(*2)	1.0-1.1
Spark plug gap (mm): maximum	1.1	
Radiator cap valve opening pressure (kPa[kgf/cm ²]): specified values	93.3-122.7{0.95-1.25}	
Radiator cap valve opening pressure (kPa[kgf/cm ²]): maximum	78.5{0.8}	

(*1):

Between terminals EFI-T and E of the DLC

(*2):

No adjustments required because the iridium plug is used.



APPARATUS FOR PREVENTING RELEASE OF HARMFUL GASES SUCH AS FUMES AND ODOROUS GASES

1. EXHAUST GAS PREVENTION-RELATED APPARATUSES

Standard:

SS

Item	3SZ-VE	K3-VE
Idle CO Concentration (%)	Below 0.2	
Idle HC Concentration (ppm)	Below 200	

SUSPENSION

1. FRONT SUSPENSION-RELATED

Standard:

Item		J200LG	J210LG	J211LG	J200RG	J210RG
Front side slip (per 1 m) (mm)		0 ± 5				
Front toe-in (mm)		0 ± 2				
Front camber (degree)		0 ° 30' ± 45'				
Front caster (degree)		4 ° 47' ± 1 °				
Front steering axis inclination (degree)		12 ° 25' ± 1 °				
Tire turning angle (vehicles with tire size of 215/65 R16)	Inside	40 ° 32' ± 2 °				
	Outside	34 ° 05' ± 2 °				
Tire turning angle (vehicles with tire size of 235/60 R16)	Inside	39 ° 06' ± 2 °		-	39 ° 06' ± 2 °	
	Outside	33 ° 06' ± 2 °		-	33 ° 06' ± 2 °	

DRIVING APPARATUS

1. DRIVING APPARATUS

Standard:

Item	J200LG	J210LG	J211LG	J200RG	J210RG
Looseness of front axle hub (mm)	Below 0.05				
Looseness of rear axle hub (mm)	Below 0.8				
Wheel nut tightening torque (N*m[kgf*cm])	103{1050}				
Remaining tire grooves (mm)	1.6 or more				

2. AIR PRESSURE

(a) Same for both general and high speeds

Standard:

Tire Size	Front wheels (kPa [kgf/cm ²])	Rear wheels (kPa [kgf/cm ²])
215 / 65R16 98S	200{2.0}	
235 / 60R16 100H	210{2.1}	

BRAKE APPARATUS

1. BRAKE-RELATED

Standard:

Item	J200LG	J210LG	J211LG	J200RG	J210RG
Brake pedal free play (without vacuum) (mm)	0.5-2				
Brake pedal reserve distance (mm)	122 or more (The engine is idling after warmed up, and pedaling force is 294 N [30 kgf])				
Parking brake pedal release rate (Operating force of 196 N [20 kgf]) (number of notches)	4-7				
Parking brake engagement: braking force	Above 20% of vehicle weight upon inspection				
Thickness of rear drum brake shoe lining (mm): maximum	1.0 (Reference: 5.5 for a new product)				
Inner diameter of rear brake drum (mm): maximum	229.6 (Reference: 228.6 for a new product)				
Thickness of front disc brake pad (mm): maximum	1.0 (Reference: 10.0 for a new product)				
Thickness of front disc rotor (mm): maximum	15.0 (solid disc) (Reference: 16.0 for a new product) 21.0 (ventilated disc) (Reference: 22.0 for a new product)				
Brake engagement (braking force) (*): total of back wheels	Over 10% of the axle load				
Brake engagement (braking force) (*): asymmetry in each wheel	Under 8% of the axle load				
Brake engagement (braking force) (*): sum total	Above 50% of vehicle weight upon inspection				

(*):

For vehicles where all front wheels are locked and therefore difficult to measure, presume in such a situation that this conforms with the sum total.

STEERING MECHANISM

1. CHASSIS-RELATED

Standard:

SS

Item	J200LG	J210LG	J211LG	J200RG	J210RG
Steering wheel free play (Outer circumference of wheel) (mm)	0-30				

