

Maintenance Specifications/Settings



TUNE UP CONDITION: Engine at normal operating temperature

Canadian Model

TUNE UP CONDITION: Engine at normal operating temperature.

SUBJECT		ITEMS OR CONDITIONS		REQUIREMENTS
ENGINE	Ignition timing (At idle)	Manual transmission		10 ± 2° BTDC
		Hondamatic (in gear)		14 ± 2° BTDC
	Valve clearance	Below 38° C (100° F)	Intake	0.17–0.22 mm (0.007–0.009)
			Exhaust	0.22–0.27 mm (0.009–0.011)
	Idle speed (With headlights off and cooling fan off)	Manual transmission (At neutral)		750 ± 50 min ⁻¹ (rpm)
		Hondamatic (in gear)		700 ± 50 min ⁻¹ (rpm)
	Idle CO	Manual and Hondamatic		below 2.0 %
	Choke fast idle	Manual and Hondamatic		1,500–2,500 min ⁻¹ (rpm)
	Standard Spark plug	Type: NGK: BPR6EY–11 Denso: W20EXR–U11	or equivalent	Gap: 1.0–1.1 mm (0.039–0.043 in.)
	Compression	350 min ⁻¹ (rpm) and wide-open throttle		1225 kPa (12.5 kg/cm ² , 176 psi)
EVAPORATIVE EMISSION CONTROLS	Two-way valve	Pressurize		25–55 mmHg (1.0–2.2 in. Hg)
		Draw		5–15 mmHg (0.2–0.6 in. Hg)
	Charcoal canister	Draws		Partial open throttle
CLUTCH	Manual transmission	Pedal free play		16–21 mm (0.63–0.83 in.)
		Pedal height		179 mm (7.05 in.)
SUSPENSION	Tires pressure (cold)	1300 H/B 4MT, 1500 H/B and 4D (front and rear)		180 kPa (1.8 kg/cm ² , 26 psi)
		1300 H/B 5MT and Hondamatic (front)		240 kPa (2.4 kg/cm ² , 35 psi)
		4D H/B (font and rear) (spare)		220 kPa (2.2 kg/cm ² , 32 psi) 220 kPa (2.2 kg/cm ² , 32 psi) 415 kPa (4.2 kg/cm ² , 60 psi)
	Wheel alignment	Front	Camber Caster Toe Kingpin inclination	0°00'±1° 4D H/B 0°20'±1° 4D H/B 2°05'±1° 2D H/B, 4D 2°20' 0±3 mm (0±0.118 in.) 4DH/B 12°00'±30' 2DH/B, 4D 12°50'±30'
		Rear	Toe	1n 2±2 mm (0.08±0.08 in.)
BRAKES	Pedal	Free play		1–5 mm (0.04–0.20 in.)
		Pedal-to-floor clearance		174mm(6.8 in.) 4D H/B 168mm(6.6 in.)
	Pad and shoe	Pad wear limit		3 mm (0.1 in.) min. thickness
		Shoe lining wear limit		2.0 mm (0.08 in.) min. thickness
	Drum	Absolute refinishing limit		181 mm (7.13 in.) max. diameter 4D H/B 201 mm (7.91 in.) max. diameter
	Rotor disc	Absolute refinishing limit	Solid Ventilated	12 mm (0.47 in.) min. thickness 17 mm (0.67 in.) min. thickness

(cont'd)

Maintenance Specifications/Settings (cont'd)

European Model

SUBJECT		ITEMS OR CONDITIONS		REQUIREMENTS
ENGINE	Ignition timing (At idle)	1200 carburetor 1300 carburetor 1500 carburetor PGM-FI (Coupe)		17 ± 2° BTDC 12 ± 2° BTDC 14 ± 2° BTDC 16 ± 2° BTDC
	Valve clearance	Below 38°C (100°F)	Intake	0.17–0.22 mm (0.007–0.009 in.)
			Exhaust	0.22–0.27 mm (0.009–0.011 in.)
	Idle speed *1 (With headlight off and cooling fan off)	Manual transmission (At neutral)		750 ± 50 min ⁻¹ (rpm)
		Hondamatic (in gear)		700 ± 50 min ⁻¹ (rpm)
	Idle CO	Manual and Hondamatic		KS, KX 0.5–2.0% Other types below 3%
	Choke fast idle	Carburetor		1,500–2,500 min ⁻¹ (rpm)
		PGM-FI		1,200–2,000 min ⁻¹ (rpm)
	Standard Spark plug	Type: NGK: BPR6EY-11 Denso: W20EXR-U11		1.0–1.1 mm (0.039–0.043 in.)
	Compression	350 min ⁻¹ (rpm) and wide-open throttle		Carburetor: 1,225kPa (12.5kg/cm ² , 176 psi) PGM-FI: 1,274kPa (13.5kg/cm ² , 185 psi)
	Alternator belt	Belt deflection with 98N (10 kg, 22 lb) tension		7–10mm (0.28–0.39 in.)
CLUTCH	Manual transmission	Pedal free play	Except Coupe Coupe	16–21 mm (0.63–0.83 in.) 10–30 mm (0.39–1.18 in.)
		Pedal height	Except Coupe Coupe	179 mm (7.05 in.) 175 mm (6.89 in.)
SUSPENSION	Tires pressure (cold)	Coupe (front and rear) 2D H/B, 4D (front and rear) 4D H/B (front and rear) (spare)		170 kPa (1.7 kg/cm ² , 24 psi) 180 kPa (1.8 kg/cm ² , 26 psi) 190 kPa (1.9 kg/cm ² , 28 psi) 41.5 kPa (4.2 kg/cm ² , 60 psi)
	Wheel alignment	Front Camber		Coupe 2D H/B and 4D 0°00'±1° 4D H/B 0°26'±1°
		Caster		Coupe 2°25'±1°, 2D H/B and 4D 0°00'±1° 4D H/B 1°49'±1°
		Toe Kingpin inclination		0±3 mm (0±0.118 in.) Coupe 12°55'±30', 2D H/B and 4D 12°50'±30', 4D H/B 11°54'±30'
BRAKES	Pedal	Free play		1–5 mm (0.04–0.20 in.)
		Pedal-to-floor clearance		174 mm (6.8 in.) 4D H/B 168 mm (6.6 in.)
	Pad and shoe	Pad wear limit		3 mm (0.1 in.) min. thickness
		Shoe lining wear limit		2.0 mm (0.06 in.) min. thickness
	Front rotor disc	Absolute refinishing limit		Solid disc 12 mm (0.47 in.) min. thickness Ventilated disc 17 mm (0.67 in.) min. thickness
	Rear drum	Absolute refinishing limit		181 mm (7.13 in.) max. diameter
				4D H/B 201 mm (7.9 in.) max. diameter

*1 Only for KS Model (With headlights on and cooling fan off)



KQ Model

Only the maintenance specifications and settings for above two models different from those of the European model (Except KS, KX model) are listed.

For the other items not given here, refer to the European model maintenance specifications and settings.

SUBJECT	ITEMS OR CONDITIONS		REQUIREMENTS
ENGINE	Ignition timing (At idle)		14 ± 2° BTDC
	Idle: CO	Manual and Hondamatic	below 2.0 %
EVAPORATIVE EMISSION CONTROLS	Two-way valve	Pressurize	5–15 mmHg (0.2–0.6 in. Hg)
		Draw	15–30 mmHg (0.6–1.2 in. Hg)
	Chacoal canister	Draws	Partial open throttle
SUSPENSION	Tires pressure (cold)	Front and Rear	180 kPa (1.8 kg/cm ² , 26 psi)
		Front Camber Caster Kingpin inclination	2D H/B, 4D 0°00'±1° 4D H/B 2°30'±1° 2D H/B, 4D 2°21'±1° 4D H/B 2°00'±1° 2D H/B, 4D 12°50'±30' 4D H/B 11°45'±30'

KY Model

Only the maintenance specifications and settings for above two models different from those of the European model (Except KS, KX model) are listed.

For the other items not given here, refer to the European model maintenance specifications and settings.

SUBJECT	ITEMS OR CONDITIONS		REQUIREMENTS
ENGINE	Ignition timing (At idle)		16 ± 2° BTDC
	Spark plug	Type: NGK BP6EY–11 Denso W20EX–U11	Gap: 1.0–1.1 mm (0.039–0.043 in.)
SUSPENSION	Tires Pressure (cold)	Front and Rear	180 kPa (1.8 kg/cm ² , 26 psi)
	Wheel alignment	Front Camber Caster Kingpin inclination	2D H/B 0°20'±1° 4D, 4D H/B 0°30'±1° 2D H/B 2°10'±1° 4D 2°15'±1° 4D H/B 2°00'±1° 2D H/B 12°30'±30' 4D 12°15'±30' 4D H/B 11°54'±30'

General Export Model

Only the maintenance specifications and settings for above two models different from those of the European model (Except KS, KX model) are listed.

For the other items not given here, refer to the European model maintenance specifications and settings.

SUBJECT	ITEMS OR CONDITIONS		REQUIREMENTS
ENGINE	Ignition timing (At idle)	1200 1300 1500	17 ± 2° BTDC 12 ± 2° BTDC 16 ± 2° BTDC
	Spark plug	Type: NGK BP6EY–11 Denso W20EX–U11	Gap: 1.0–1.1 mm (0.039–0.043 in.)
SUSPENSION	Tires Pressure (cold)	Front and Rear	180 kPa (1.8 kg/cm ² , 26 psi)
	Wheel alignment	Front Camber Caster Kingpin inclination	2D H/B, 4D 0°00'±1° 4D H/B 0°30'±1° 2D H/B, 4D 2°21'±1° 4D H/B 2°00'±1° 2D H/B, 4D 12°50'±30' 4D H/B 11°45'±30'