LUBRICATION & SEAL POINTS

ENGINE

MATERIAL	LOCATION	REMARKS
Liquid sealant (recommended: Three Bond 1215 or equivalent)	Right crankcase mating surface Final reduction case/breather hose grommet mating surface	See page 14-9 See page 12-14
Molybdenum disulfide oil (a mixture of 1/2 engine oil and 1/2 molybdenum disulfide grease)	Camshaft cam lobes	
Multi-purpose grease	Driven face needle bearing Driven face ball bearing Crankcase main stand pivot area Movable driven face oil seal lip	
Grease (Shell ALVANIA R3 or SHIN-NIHON POWERNOC WB3 or IDEMITSU AUTOREX B or equivalent)	Driven face inner surface Movable driven face guide groove Starter pinion gear shaft (both end)	7 – 8 g 2.0 – 2.5 g 0.1 – 0.3 g
Engine oil (Without molybdenum additives)	Oil pump rotor whole surface Oil pump shaft and teeth Water pump chain whole surface Water pump shaft and driven gear teeth Washer surface of the camshaft holder nut Cylinder stud bolt threads (camshaft holder side) Rocker arm shaft sliding surface Rocker arm roller sliding area Camshaft bearing Cam sprocket teeth Cam chain whole surface Valve stem (valve guide sliding area) Valve stem seal inner surface Piston, piston ring and cylinder sliding surfaces Piston pin outer surface Oil pump drive gear teeth of crankshaft Timing sprocket teeth of crankshaft Connecting rod small end inner surface Crankshaft bearings Connecting rod big end bearing Bearing area of drive, counter and final shaft Drive, counter and final gear teeth Ball/needle bearing sliding area Each O-ring whole surface (Except coolant passage) Oil seal lips and outer surfaces Water pump bearing Fuel pump packing	 Fill up 2 cc minimum Fill up 3 cc minimum Apply 1.0 g max
Degrease	Right crankshaft tapered area Drive/driven pulley face and drive belt	