

**LUBRICATION & SEAL POINTS**

ENGINE	LOCATION	MATERIAL	REMARKS
	Valve stem (valve guide sliding surface) Clutch outer guide outer surfaces Piston pin outer surface Connecting rod small end inner surface Shift fork shaft Transmission gear rotating surfaces Transmission gear shift fork grooves C1, C2 gear bushing Balancer driven gear inner surface Clutch lifter arm spindle Gearshift spindle outer surface Shift drum journal outer surface Camshaft	Molybdenum oil solution (a mixture of 1/2 engine oil and 1/2 molybdenum disulfide grease)	
	Cam chain Camshaft holder bolt threads and seating surface Piston outer surface Piston rings Cylinder head nut threads and seating surface Valve lifter sliding surfaces Clutch disc lining surface Clutch center lock nut threads and seating surface Clutch lifter piece Crankshaft thrust surfaces Primary drive gear nut threads and seating surface Flywheel nut threads and seating surface Shift drum grooves Starter clutch rolling surface Starter reduction gear Oil pump inner and outer rotor Each bearing rotating area Each O-ring whole surface Each oil seal lip Water pump shaft	Engine oil	
	Each oil seal lip (clutch lifter arm spindle, gearshift spindle) Timing hole cap threads Crankshaft hole cap threads	Multi-purpose grease	
	Gearshift cam plate bolt threads Ignition pulse generator bolt threads Mainshaft bearing setting plate bolt threads Starter clutch bolt threads Camsprocket bolt threads	Locking agent	
	Alternator/ignition pulse generator wire grommet seating surface R./L. Crankcase mating surface except the oil passage area.	Liquid sealant	