

Lubrication & Seal Points

Engine

Item	Material	Remarks
Crankcase sealing bolt threads and seating surface	Repsol 4T-stroke engine oil	
Cylinder bore inner surface		
Cylinder head nut threads and seating surface		
Piston inner area, piston pin area		
Piston pin outer surface		
Piston ring surface		
Crankshaft oil seal lips		
Decompressor weight sliding surface		
Valve adjusting nut threads		
Oil pump rotor sliding surface		
Clutch outer sliding surface		
Clutch friction disc surface		
Clutch center nut threads and seating surface		
Clutch lifter piece needle bearing area		
Primary drive gear bolt threads and seating surface		
Shift drum grooves		
Gearshift spindle serration		
Flywheel nut threads and seating surface		
Each bearing		
Each O-ring		
Crankcase inside (transmission oil)	ELF HTX740 (75W)	570 cm ³
Crankcase inside (engine oil)	Repsol 4T-stroke engine oil 10W-30 or equivalent	600 cm ³

Item	Material	Remarks		
Connecting rod small end I.D.	Molybdenum oil solution (A 50/50 mixture of molybdenum disulfide grease and engine oil)			
Connecting rod big end				
Camshaft outer surface				
Rocker arm I.D.				
Valve stem sliding surface				
Valve stem end sliding surface				
Clutch outer collar sliding surface				
Mainshaft spline and gear sliding surface				
Countershaft spline and gear sliding surface				
Shift fork I.D. and gear contact area				
Shift fork shaft surface				
Kickstarter spindle spline area and gear sliding surface				
Each gear				
Right crankshaft bearing set plate bolt threads			Locking agent	6.5 ± 1 mm
Right mainshaft bearing/shift drum bearing set plate bolt threads				
Left countershaft bearing set plate bolt threads	3.5 ± 1 mm			
Left crankcase sealing bolt threads				
Cylinder mounting bolt threads				
Cylinder head sealing bolt threads	6.5 ± 1 mm			
Cam chain tensioner bolt threads				
Shift drum center bolt threads				
Ignition pulse generator bolt threads				
Stator mounting bolt threads				