

## Service data

### 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)	
Crankcase inside (engine oil)	Repsol 4T-stroke engine oil 10W-30	600 cm <sup>3</sup>

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		
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		6.5 ± 1 mm
Cylinder mounting bolt threads		
Cylinder head sealing bolt threads		
Cam chain tensioner bolt threads		
Shift drum center bolt threads		
Ignition pulse generator bolt threads		
Stator mounting bolt threads		