

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)	REPSOL MOTO TRANSMISSION (75W) 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			
Cam chain tensioner bolt threads			
Shift drum center bolt threads			
Ignition pulse generator bolt threads			
Stator mounting bolt threads			