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BRC 250FE Service Specifications

End Float

Crankshaft	0.30-0.40mm (0.012-0.016")
Gearbox Input Shaft	0.20-0.30mm (0.008-0.012")
Gearbox Output Shaft	0.20-0.30mm (0.008-0.012")
Carbon Disk Valve	0.25-0.35mm (0.010-0.014")
Primary Gear	0.30-0.40mm (0.012-0.016")
Connecting Rod Side Clearance (total)	0.65-0.70mm (0.026-0.028")

Clearances

Piston to Cylinder	0.040mm (0.0016")
Piston Ring End Gap	0.25-0.30mm (0.010-0.012")
Power Valve Blade to Piston	minimum 0.55mm (0.022")
Spark Plug Gap	0.65-0.70mm (0.026-0.028")
Piston Crown Protrusion from Cylinder	1.40-1.55mm (0.055-0.061")

Maintenance Interval

Connecting Rod Repair Kit	800km (500mi)
Crankshaft Main Bearings	2400km (1500mi)
Transmission Bearings	Inspect & replace when visibly worn or notchy

Oil Capacity

Transmission	600cc (20 U.S. oz)
Primary	300cc (10 U.S. oz)

Tightening Torque Specifications

M5 Screws	7Nm (62inlb)
M6 Screws	10Nm (89inlb)
Spark Plug	24Nm (18ftlb)
Cylinder Nut (M8 x 1.0)	22Nm (16ftlb)
Combustion Chamber Nut (M7 x 1.0)	13Nm (10ftlb)
Tandem Gear Nut (M22 x 1.5)	120Nm (89ftlb)
Clutch Inner Hub Bolt (M8)	33Nm (24ftlb)
Sprocket Bolt (M8)	25Nm (18ftlb)
Ignition Rotor Bolt (M8)	25Nm (18ftlb)
Clutch Drum Nut LEFT HAND M40 x 1.25	90Nm (66ftlb)