

SERVICE BULLETIN



THE
Indian
MOTORCYCLE COMPANY

Bulletin No. SVB-157(B)

Model F500K ENGINE

Subject SPECIFICATIONS

Date June 20, 1974

SPECIFICATIONS FOR F500K ENGINE

A. Engine: Single-cylinder, 2-stroke

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| 1. Bore: | 53mm | |
| 2. Stroke: | 44mm | |
| 3. Total Capacity: | 97 cc | |
| (Oversize Pistons: | +.010, .020, .030, .040) | |
| (a) Compression Ratio: | 7:1 (130 lbs. Nominal,
105 lbs. Minimum) | |
| (b) Fuel: | Premium gas, premix at 20:1 using
2-stroke motorcycle oil ONLY, or
automatic oil injection, if so
equipped. | |
| (c) Spark Plug: | 14mm with 3/8" length. Standard
plug is: NGK B8; or Champion J-4J;
or Bosch W240T3; or Lodge 2HAN | |
| (d) Spark Plug Gap: | .6mm (.024) minimum to
.7mm (.027) maximum | |
| 4. Cylinder to Piston
Clearance: | .07mm (.003) minimum to
.15mm (.006) maximum | } At Skirt |
| 5. Ring Gap: | .1mm (.004) minimum to
.3mm (.012) maximum | |
| 6. Piston Ring Side
Clearance: | .02mm (.0008) minimum to
.06mm (.0024) maximum | |

B. Ignition System: 118mm diameter flywheel magneto

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| 1. Lighting Coil: | 45 watt - 6 Volt |
| 2. Ignition Timing: | 2.6mm Before T.D.C. (or 25°) (or .102) |
| 3. Point Gap: | .356mm (.014) to .406mm (.016) at T.D.C. |

