



SUZUKI

TWO STROKE

Service Bulletin

GENERAL SPECIFICATIONS

Bulletin No: Specification 15
Date: April 21, 1978

Read and Initial

Manager _____
Parts Mgr. _____
Service Mgr. _____
Mechanics _____

| MODEL | IGN TIMING BTDC | SPARK PLUG & GAP (MM) NGK (ND) | TRANS. OIL CAP. ML. | FRONT FORK CAP. | PISTON TO CYL. CLEARANCE | |
|-------------|------------------------------------|--------------------------------------|---------------------------|--|--------------------------|-----------------------------------|
| | | | | | STANDARD (MM) | PISTON MEASURING POINT (MM) |
| JR50C | 2.00mm (24°) | BP4H 0.6-0.7 (W14FP 0.6-0.7) | 450 | ■ | 0.065-0.075 | 23 |
| RM50C | 1.14mm (18°) | BP6HS 0.6-0.7 | 650 | 75ml | 0.065-0.075 | 23 |
| RM80C | Static-1.30mm 18° @ 10,000rpm | B8ES 0.7-0.8 | 700 | 90ml | 0.060-0.070 | 18 |
| RM100C | Static-2.47mm 17.5° @ 10,000rpm | B9EV 0.5-0.6 | 800 | 177ml | 0.060-0.070 | 18 |
| RM125C | Static 2.80mm 17.5° @ 10,000rpm | B9EV 0.5-0.6 | 800 | 1.3kg/cm ² (18psi) *175mm | 0.060-0.070 | 18 |
| RM250 C2 | Static-3.62mm 9° @ 8,000rpm | B9EV 0.5-0.6 | 900 | 1.25kg/cm ² (17.7psi) *164mm | 0.060-0.070 | 22 |
| RM400C | Static-4.14mm 15° @ 6,000rpm | B8EV 0.5-0.6 | 1000 | 1.25kg/cm ² (17.7 psi) *169mm | 0.070-0.080 | 26 |
| PE175C | Static-1.84mm 18° @ 6,000rpm | B9EV 0.5-0.6 | 800 | 274ml | 0.060-0.070 | 26 |
| PE250C | Static-2.24mm 18° @ 6,000rpm | B8EV 0.5-0.6 | 900 | 274ml | 0.060-0.070 | 22 |
| DS80C | 2.12mm (23°) | B7ES 0.7-0.8 (W22ES 0.6-0.7) | 650 | 75ml | 0.040-0.050 | 18 |
| DS100C | 1.90mm (20°) | B8ES 0.7-0.8 (W24ES 0.6-0.7) | 800 | 73ml | 0.040-0.050 | 23 |

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(continued)

| MODEL | IGN TIMING BTDC | SPARK PLUG & GAP (MM) NGK (ND) | TRANS. OIL CAP, ML. | FRONT FORK CAP. | PISTON TO CYL. CLEARANC | |
|--------|--------------------|---|---------------------------|-----------------------|-------------------------|-----------------------------------|
| | | | | | STANDARD (MM) | PISTON MEASURING POINT (MM) |
| DS185 | 20° @ 6,000rpm | B7HS **B7ES 0.7-0.8 (W22FS) ** (W22ES 0.6-0.7) | 700 | 126ml | 0.045-0.055 | 26 |
| TS100C | 1.90mm (20°) | B8ES 0.7-0.8 (W24ES 0.6-0.7) | 800 | 73ml | 0.040-0.050 | 23 |
| TS125C | 1.90mm (20°) | B8ES 0.7-0.8 (W24ES 0.6-0.7) | 700 | 137ml | 0.045-0.055 | 23 |
| TS185 | 21.5° @ 6,000rpm | BP7ES 0.7-0.8 (W22EP 0.6-0.7) | 700 | 132ml | 0.050-0.060 | 26 |
| TS250C | 24° @ 6,000rpm | BP7ES 0.7-0.8 (W22EP 0.6-0.7) | 850 | 210ml | 0.060-0.070 | 26 |

■ DOES NOT APPLY

* FORK OIL LEVEL MEASURE IN MM

** ON AND AFTER E# DS185-502978 (Approximate)

NOTE: THE PISTON MEASURING POINT IS THE DISTANCE FROM THE BOTTOM OF THE PISTON SKIRT AT 90 DEGREES FROM THE PISTON PIN HOLE.

| MODEL | BORE SIZE | MAIN JET | NEEDLE JET | JET NEEDLE | CUT AWAY | PILOT JET | AIR SCREW | FLOAT HEIGHT (MM) |
|----------|-----------|----------|------------|------------|----------|------------------|-----------|-------------------|
| JR50C | 12mm | 52.5 | E-4 | 3E3-3 | 3.0 | #1:15 #2:12.5 | 1 1/4 | A:24.5~25.0 |
| RM50C | 16mm | 80 | E-2 | 3D4-4 | 1.5 | 20 | 1 3/4 | A:22.4±1 |
| RM80C | 28mm | 150 | P-4 | 5DP39-3 | 2.5 | 45 | 1 1/2 | A:25±1 |
| RM100C | 30mm | 190 | R-4 | 5DP11-3 | 2.0 | 35 | 1 1/2 | A:31.75 ±1.00 |
| RM125C | 32mm | 240 | R-4 | 6DP5-3 | 2.0 | 35 | 1 1/2 | A:31.75 ±1.00 |
| RM250C 2 | 36mm | 300 | R-2 | 6FJ6-3 | 1.5 | 50 | 1 | B:13.9 ±1.0 |
| RM400C | 36mm | 270 | R-2 | 6FJ6-2 | 1.5 | 50 | 1 1/2 | B:13.9 ±1.0 |
| PE175C | 32mm | 190 | R-2 | 6DP17-3 | 2.5 | 25 | 1 1/4 | A:32±1 |
| PE250C | 36mm | 260 | Q-0 | 6PH3-2 | 2.5 | 40 | 1 | A:33±1 |
| DS80C | 20mm | 65 | Q-4 | 4F22-4 | 1.5 | 22.5 | 1 1/2 | A:21 ±1 |
| DS100C | 24mm | *85 | *N-8 | *4DH7-2 | *1.5 | *30 | *1 | A:28±1 |
| DS185C | 26mm | 125 | P-3 | 5EI16-3 | 2.0 | 22.5 | 1 1/2 | A:23±1 |
| TS100C | 24mm | **85 | **N-8 | **4DH7-2 | **1.5 | **30 | **1 | A:28±1 |

(continued)

| MODEL | BORE SIZE | MAIN JET | NEEDLE JET | JET NEEDLE | CUT AWAY | PILOT JET | AIR SCREW | FLOAT HEIGHT (MM) |
|--------|-----------|----------------|------------------|------------------------|-----------------|------------------|--------------------|---------------------|
| TS125C | 24mm | ***85 [A95] | ***N-8 [A0-4] | ***4DH7-3 [5DH38-3] | ***1.5 [1.5] | ***30 [A17.5] | ***1 [Pre-Set] | A: 28 _{±1} |
| TS185C | 26mm | 130 [A125] | 0-6 [A0-0] | 5EI18-4 [5CN11-3] | 2.0 [2.0] | 22.5 [A22.5] | 1 1/2 [Pre-Set] | A: 23 _{±1} |
| TS250C | 28mm | 140 [A140] | 0-9 [A0-3] | 5CN3-3 [5CN13-3] | 2.5 [2.5] | 27.5 [A25] | 1 1/2 [Pre-Set] | A: 25 _{±1} |

* ON AND AFTER E/NO DS100-102704

** ON AND AFTER E/NO TS1002-102674

*** ON AND AFTER E/NO TS1252-114222

[] INDICATE EMISSION CONTROL SPECIFICATIONS

A: MEASUREMENT FROM GASKET SURFACE TO TOP OF FLOATS.

B: MEASUREMENT FROM MAIN JET BASE TO TOP OF FLOAT TONGUE ARMS.

