

## TECHNICAL SPECIFICATIONS - CHASSIS 50 LC 2004

|                          | 50 SX PRO JUNIOR LC                       | 50 SX PRO SENIOR LC                      |
|--------------------------|---|--|
| Frame                    | single downtube, split-cradle             |  |
| Fork                     | Marzocchi $\varnothing = 32$ mm (1.26 in) |  |
| Wheel travel front/rear  | 140/205 mm (5.5/8 in)                     | 185/185 mm (7.3/7.3 in)                  |
| Rear suspension          | Central shock absorber WP                 |  |
| Front brake              | Disk brake $\varnothing 160$ mm (6.4 in)  |  |
| Rear brake               | Drum brake $\varnothing 90$ mm (3.5 in)   | Disk brake $\varnothing 140$ mm (5.5 in) |
| Tires front/rear         | 2.50x10" Pirelli MT32A / 2.75x10" MT320   | 2.50x12" Pirelli MT32A / 2.75x10" MT320  |
| Tire pressure            | front/rear: 1.0 bar                       |  |
| Fuel tank capacity       | 1.8 Liters                                |  |
| Final drive ratio        | 11 : 48                                   | 10 : 44                                  |
| Chain                    | 1/2x3/16" 96 rolls                        | 1/2x3/16" 102 rolls                      |
| Steering angle           | 66°                                       | 66°                                      |
| Wheel base               | 910 mm (35.8 in)                          | 1030 mm (40 in)                          |
| Seat height, unloaded    | 585 mm/610 mm (23/24 in)                  | 650/675 mm (25.6/26.6 in)                |
| Ground clearance         | 220 mm (8.6 in)                           | 255 mm (10 in)                           |
| Rider's body height      | max. 130 cm (51 in)                       |  |
| Rider's body weight      | max. 35 kg (78 lbs)                       |  |
| Recommended age of rider | 4-7 years                                 | 6-10 years                               |
| Engine                   | 50 LC                                     |  |

### TIGHTENING TORQUES

|  |       |                 |
|--|-------|-----------------|
| Hexagon nuts front/rear axle           | M12x1 | 30 Nm           |
| Hexagon nut swing arm bolt             | M12   | 40 Nm           |
| Clamping screw upper/lower fork bridge | M8    | 15 Nm           |
| Screws handlebar clamp                 | M8    | 20 Nm           |
| Shock absorber top/bottom              | M10   | 45 Nm           |
| Allan screw – Handlebar support        | M10   | Loctite + 40 Nm |
| Front brake caliper                    | M8    | Loctite + 20 Nm |
| Front brake disk                       | M6    | Loctite + 10 Nm |
| Spoke nipple                           | M4    | 3 Nm            |
| Other chassis screws                   | M5    | 6 Nm            |
|  | M6    | 10 Nm           |
|  | M8    | 25 Nm           |
|  | M10   | 45 Nm           |

### STANDARD-ADJUSTMENT – FORK

|                    |                 |
|--------------------|-----------------|
| Spring             | 2.0 N/mm        |
| Preload            | 10 mm (0.4 in)  |
| Fork oil           | SAE 7.5         |
| Air chamber length | 110 mm (4.3 in) |

### STANDARD ADJUSTMENT - SHOCK ABSORBER

|                  | JUNIOR LC<br>WP 0318Y916 | SENIOR LC<br>WP 0318Y917 |
|------------------|--------------------------|--------------------------|
| Rebound adjuster | 5                        | 5                        |
| Spring           | 85 N/mm                  | 45 N/mm                  |
| Spring preload   | 10 mm (0.39 in)          | 7 mm (0.28 in)           |