MAINTENANCE OPERATIONS	1st SERVICE 500 KM	2nd SERVICE 3.500 KM	SERVICE EVERY 3.000 KM
Check the braking system	•	•	•
Check the transmission oil level	Change	•	Change
Check chain tension and wear	•	•	•
Check suspensions	•		•
Check, adjust and grease levers and cables	•	•	•
Check wheel centring and spoke tensions	•	•	•
Clean and grease the air filter	•	•	•
Check and adjust the carburettor	•		•
Check and adjust the spark plug or renew	•	•	•
Check the tightness of the nuts and bolts on the chassis and on plastic units	•		•
Check the electrical system	•		•
Check wear on piston rings			•
Check radiator coolant levels	•	•	•
Check the exhaust system			•
Check condition of the battery and its terminals	•		•

TECHNICAL SPECIFICATIONS AND CHARACTERISTICS

Dimensions	MRT	MRT SM
Total length	2150 mm.	2070 mm.
Total width	800 mm.	800 mm.
Total height	1165 mm.	1145 mm.
Seat height	890 mm.	870 mm.
Distance between wheel shafts	1405 mm.	1380 mm.
Minimum distance to the ground	310 mm.	288 mm.
Dry weight	**MRT**	**MRT SM**
	85 kg.	85 kg.
Engine		
Type	2 stroke	
Number of gears	6 gears	
Make	Minarelli	
Model	AM 6 (EU 2)	
Cylinder and arrangement	1 forward-inclined	
Cylinder capacity	49.7 cc	
Diameter x stroke	40.3 x 39 mm	
Starting system	Kick-start lever	
Lubrication system	By pump	
Type of oil	CASTROL TTS 2-stroke injection	

Transmission oil	
Type Quantity	CASTROL MTX SAE 10W 30 820 c.c.
Air filter	
	Wet-type foam cartridge
Fuel	
Type Fuel tank capacity	95 octane lead-free petrol 6,32 L.
Carburettor	
	Dellorto PHBN 16 HS
Spark plug	
Type Distance between electrodes	NGK BR 9 ES 0,6 - 0,7 mm.
Clutch	
	Multi-disk in oil bath
Primary transmission	
Clutch crown wheel Engagement gear Transmission ratio	Z = 71 Z = 20 1: 3,55
Secondary transmission	
Engine output sprocket Rear wheel sprocket Transmission ratio Chain	Z = 11 Z = 52 1: 4,36 420 x 126 links

GEAR CHANGE				
Speed	**Primary shaft**	**Secondary shaft**	**Gear ratio**	**Output ratio**
1ª	Z = 12	Z = 36	1: 3,00	1: 10,65
2ª	Z = 16	Z = 33	1: 2,06	1: 7,31
3ª	Z = 19	Z = 29	1: 1,53	1: 5,43
4ª	Z = 22	Z = 27	1: 1,23	1: 4,37
5ª	Z = 24	Z = 25	1: 1,04	1: 3,69
6ª	Z = 25	Z = 24	1: 0,96	1: 3,40

Suspension:	MRT 50 / MRT 50 SM
Front	37 mm Ø bars CASTROL 15 W 20 FORK OIL , 245 cc per bar
Rear	Hydraulic shock absorber
Suspension:	**MRT 50 PRO / MRT 50 PRO SM**
Front	40 mm Ø inverted hydraulic forks CASTROL 10 W FORK OIL , 325 cc per bar
Rear	Gas shock absorber with separate bottle
Brake disks	**MRT 50 / MRT 50 SM**
Front	220 mm Ø
Rear	180 mm Ø
Brake disks	**MRT 50 PRO / MRT 50 PRO SM**
Front	300 mm Ø Wave type double piston
Rear	260 mm Ø Wave type double piston
Tyres	**MRT 50 / MRT 50 SM**
Front	80/90 - 21, with tube, 1'7 kg/cm^2
Rear	110/80 - 18, with tube, 1'8 kg/cm^2
Tyres	**MRT 50 PRO / MRT 50 PRO SM**
Front	100/80 - 17, with tube, 1'8 kg/cm^2
Rear	130/70 - 17, with tube, 1'9 kg/cm^2
Electrical equipment	
Ignition	Electronic 12V 85W
Generator	Ducati
Ignition advance	20° 1'4mm. before T.D.C
Voltage and wattage of bulbs	
Headlight	12V 35/35W
Rear light	12V 21/5W
Instrument panel	12V 1,2W
Turn indicators	12V 10W
Odometer lighting	12V 1,2W