



***Russian Police Motorcycles
Part V: IMZ-8.1233 “DPS”
and IMZ-8.1239 “DPS”***

(see also Parts I – VII)

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IMZ-8.1239 DPS: Modification of IMZ-8.1233

- **Ural IMZ-8.1233 "Solo-DPS" (Мотоцикл Урал СолоДПС)**
 - **Modification of IMZ-8.1233 "Solo" (Соло)**
 - **Additionally Equipped with Specially-Tuned Modification:**
 - **Wind Shield, Signal Lights and Electronic Siren**
- **Ural IMZ-8.1239 "Solo DPS" (Мотоцикл Урал Соло-Классик ДПС)**
 - **Modification of IMZ-8.1239 "Solo Classic" (Соло-Классик)**
 - **Additionally Equipped with Specially-Tuned Modification:**
 - **Wind Shield, Signal Lights and Electronic Siren**
- **Both IMZ-8.1233 Solo DPS and IMZ-8.1239 Solo-Classic DPS Use 750cc Engine**
 - **Rectangular Valve Covers**

The police (DPS) versions of the solo and the solo-classic motorcycles were based on commercial versions, with the addition of a special wind shield, signal lights and siren.

Standard versus DPS (Police) Versions

Model		IMZ 8.1233 Solo	IMZ-8.1233 DPS	IMZ-8.12339 Solo-Classic	IMZ-8.1239 DPS
Year		2002 - 2007	2002 - 2007	2007 - 2008	2007 - 2008
Engine	Cylinder	745.4 cm ³	745.4 cm ³	745.4 cm ³	745.4 cm ³
	Comp Ratio	1: 8.6	1: 8.6	1: 8.6	1: 8.6
	Max rpm	5600 rpm	5600 rpm	5600 rpm	5600 rpm
	Power	45 hp (30 kW)	45 hp (30 kW)	45 hp (30 kW)	45 hp (30 kW)
	Stroke / Bore	78 mm / 78 mm	78 mm / 78 mm	78 mm / 78 mm	78 mm / 78 mm
	Torque	52 Nm @4000 rpm	52 Nm @4000 rpm	52 Nm @4000 rpm	52 Nm @4000 rpm
Transmission gear ratios	First	1: 3.6	1: 3.6	1: 3.6	1: 3.6
	Second	1: 2.28	1: 2.28	1: 2.28	1: 2.28
	Third	1: 1.56	1: 1.56	1: 1.56	1: 1.56
	Fourth	1: 1.19	1: 1.19	1: 1.19	1: 1.19
	Reverse	1 : 4.2	1 : 4.2	1 : 4.2	1 : 4.2
	Final Drive	1: 3.89	1: 3.89	1: 3.89	1: 3.89
Dry Weight		225 kg	234 kg	214 kg	234 kg
Gross Weight		384 kg	384 kg	384 kg	384 kg
Max Speed		130 km/h	145 km/h (tuned)	140 km/h	150 km/h (tuned)
Tire Size		3.50 "× 18"	3.50 "× 18"	3.50 "× 18"	3.50 "× 18"
Brakes	Front / Rear	Brembo Disc / IMZ Drum	Brembo Disc / IMZ Drum	Brembo Disc / IMZ Drum	Brembo Disc / IMZ Drum
Suspension	Front / Rear	Telescopic / Pendulum with Spring-Hydraulic Shock Absorbers	Telescopic / Pendulum with Spring-Hydraulic Shock Absorbers	Paoili Telescopic / Pendulum with Spring-Hydraulic Shock Absorbers	Paoili Telescopic / Pendulum with Spring-Hydraulic Shock Absorbers
Electrical	Alternator	12-Volt, 500-Watt	12-Volt, 500-Watt	12-Volt, 500-Watt	12-Volt, 500-Watt
Ignition		Microprocessor, Ducati	Microprocessor, Ducati	Microprocessor, Ducati	Microprocessor, Ducati

The Ural Wolf and ST are the only solo versions still produced today.

Ural IMZ-8.1233 "Solo" (ИМЗ-8.1233 Урал «Соло»)

•Engine

- Engine Type: 750-cc boxer 45 hp, 4-Stroke, 2-Cylinder, OHV
- Ignition / Starter: Microprocessor / Electric Starter and Kick-Starter
- Engine Volume: 745 cm³ OHV
- Compression Ratio: 8.6:1
- Bore and Stroke: 78 x 78 mm
- Power: 39 Hp / 29 kW @ 5600 rpm
- Torque: 52 Nm @ 4000 rpm
- Carburetor: 2 x Keihin L22 AA
- Diffuser: 22 mm
- Clutch: Dry double disc

•Dynamics and Efficiency

- Max Speed: 130 km/h, Tuned: 145 km/h
- Flow Rate: 5-6 liters/100 km
- Fuel Tank Capacity: 19 liters

•Transmission

- Type: 4-Speed with Reverse
- Chassis: Frame - Steel Tubular
- Suspension: Front - Paioli Telescopic Fork, Rear - Pendulum with Spring-Hydraulic Shock Absorbers, Adjustable Load
- Brakes: Front - Brembo Hydraulic Disc, Rear - IMZ Drum
- Drive: PTO

•Dimensions and Weight

- Ground Clearance: 125 mm
- Front and Rear Wheels: Spoked, Chrome, 3.50 X 18"
- Dry Weight: 234 kg

•Rest

- Seats - 2, twin, double adjustable
- Electrical: 12-Volt, 500-Watt Alternator
- Available Colors: Black with Diverging Pattern, Black, Cherry, Baltic, Green Garden



Ural's IMZ-8.1233 "Solo" served as the commercial basis for the police version.

Ural Police Motorcycle IMZ-8.1233 "Solo-DPS" "Solo-DPS"

- **Modification of road motorcycle IMZ-8.1233 "Solo-DPS" «Соло-ДПС»**
 - Additionally equipped with windscreen, signal lights, siren, means for mounting special equipment DPS
- **Clearance: 125 mm**
- **Dry Weight: 234 kg**
- **Weight: 384 kg**
- **Fuel Tank: 19 liters**
- **Maximum Speed: 150 km/h**
- **Fuel Consumption, City: 5-6 liters/100km**
- **Fuel Consumption, Highway: 4-5 liters/100km**
- **Engine: 750 cm³, 45 Hp, 4-Stroke, 2-Cylinder Boxer OHV**
- **Start: Electric and Kick-Starter**
- **Electrical System: 12-Volt, 500-Watt Denso Alternator**
- **Ignition System: Microprocessor, Ducati**
- **Gearbox: 4-Speed with Reverse**
- **Main Transfer: Gimbal**
- **Gear Ratios: I - 3.6; II - 2.28; III – 1.56; IV – 1.19; Reverse - 4.2**
- **Final Drive Ratio: - 3.89**
- **Tires: 3.50" X 18", MITAS**
- **Wheels - Spokes, Chrome**
- **Brakes: Front - Brembo Disc, Rear – IMZ Drum IMZ**
- **Suspension:**
 - **Front: Telescopic**
 - **Rear: Pendulum with Spring-Hydraulic Shock Absorbers, Adjustable Load**



The police (DPS) version of the motorcycle had a specific blue-white color. 5

Ural Solo (DPS) мотоцикла Урал-Соло(ДПС)

***Notice the Classic Ural Shape of the Gas-Tank.
On the IMZ-8.1239, the Tank Is Aerodynamically
Shaped***



***The blue-and-white IMZ-8.1233 Solo DPS is a modification
of Ural's IMZ-8.1233 "Solo" Classic.***

Ural IMZ-8.1233 DPS Is a Modification of the "Solo"



Ural IMZ-8.1233 DPS (Урал ИМЗ-8.1233 ДПС)



Notice the "Rubber Band"
around the Gas Tank

The police (DPS) version of the solo motorcycle was based on the commercial version, with the addition of a special wind shield, signal lights and siren. 8

IMZ-8.1239 "Solo Classic" (ИМЗ-8.1239 «СОЛО-КЛАССИК»)



- **Ground Clearance: 125 mm**
- **Dry Weight: 225 kg**
- **Gross Weight: 384 kg**
- **Engine**
 - **745 cm³**
 - **Compression Ratio: 1: 8.6**
 - **Power: 40 hp @ 5600 rpm**
 - **Torque: 52 Nm @ 4000 rpm**
 - **Stroke / Bore: 78 mm / 78 mm**
- **Fuel Tank Capacity: 22 liters**
- **Maximum Speed: 150 km/h**
- **Fuel Consumption, City: 5.6 liters/100 km**
- **Fuel Consumption, Highway: 4-5 liters/100 km**
- **Engine: 750 cm³, 45 hp, 4-stroke, 2-Cylinder Boxer OHV**
- **Starting: Electric and Kick Start**
- **Electrical System: 12-Volt, 500-Watt Alternator**
- **Ignition System: Microprocessor**
- **Transmission: 4-Speed with Reverse**
- **Main Gear: Gimbal**
- **Brakes: Front - Hydraulic Disc, Rear – IMZ Drum**
- **Suspension: Front – Paioli Telescopic, Rear - Pendulum with Spring-Hydraulic Shock Absorbers, Adjustable Load**
- **Sitting: Separate**
- **Package Includes No Accessories**

The Ural Solo Classic has a lower seat than the standard solo and better brakes, but for some reason just didn't sell well.

Ural Patrol DPS "Ural Solo-Classic" (IMZ-8.1239 DPS) ИМЗ-8.1239 ДПС

- **Ground Clearance: 125 mm**
- **Dry Weight: 214 kg**
- **Gross Weight: 384 kg**
- **Fuel Tank Capacity: 22 liters**
- **Maximum Speed: 150 km/h**
- **Fuel Consumption, City: 5.6 liters/100 km**
- **Fuel Consumption, Highway: 4-5 liters/100 km**
- **Engine**
 - **750 cm³, 45 hp, 4-stroke, 2 cylinder boxer OHV**
 - **Torque: 52 Nm @ 4000 rpm**
- **Starting: Electric and Kick-Starter**
- **Electrical system: 12-Volt, 500-Watt Alternator**
- **Ignition system: Microprocessor, Ducati**
- **Transmission: 4-Speed with Reverse**
- **Main Gear: Gimbal**
- **Brakes: Front - Brembo Disc, Rear – IMZ Drum**
- **Tires: Front – 3.50" X 18", Rear – 3.50" X 18"**
- **Suspension: Front – Telescopic, Rear - Pendulum with Spring-Hydraulic Shock Absorbers, Adjustable Load**
- **Sitting: Separate**
- **Package Includes Additional Equipment: Luggage, Saddlebags, Windshield, Light and Sound Signals**



IMZ-8.1239 "DPS" is a modification of the IMZ-8.1239 "Solo-Classic", additionally equipped with windscreens, signal lights, siren and means for mounting special equipment DPS.

Ural Patrol DPS "Ural Solo-Classic" (IMZ-8.1239 DPS) ИМЗ-8.1239 ДПС

