

BAD GUYS. BAD ROADS.

IMZ MOTORCYCLES CAN HANDLE BOTH

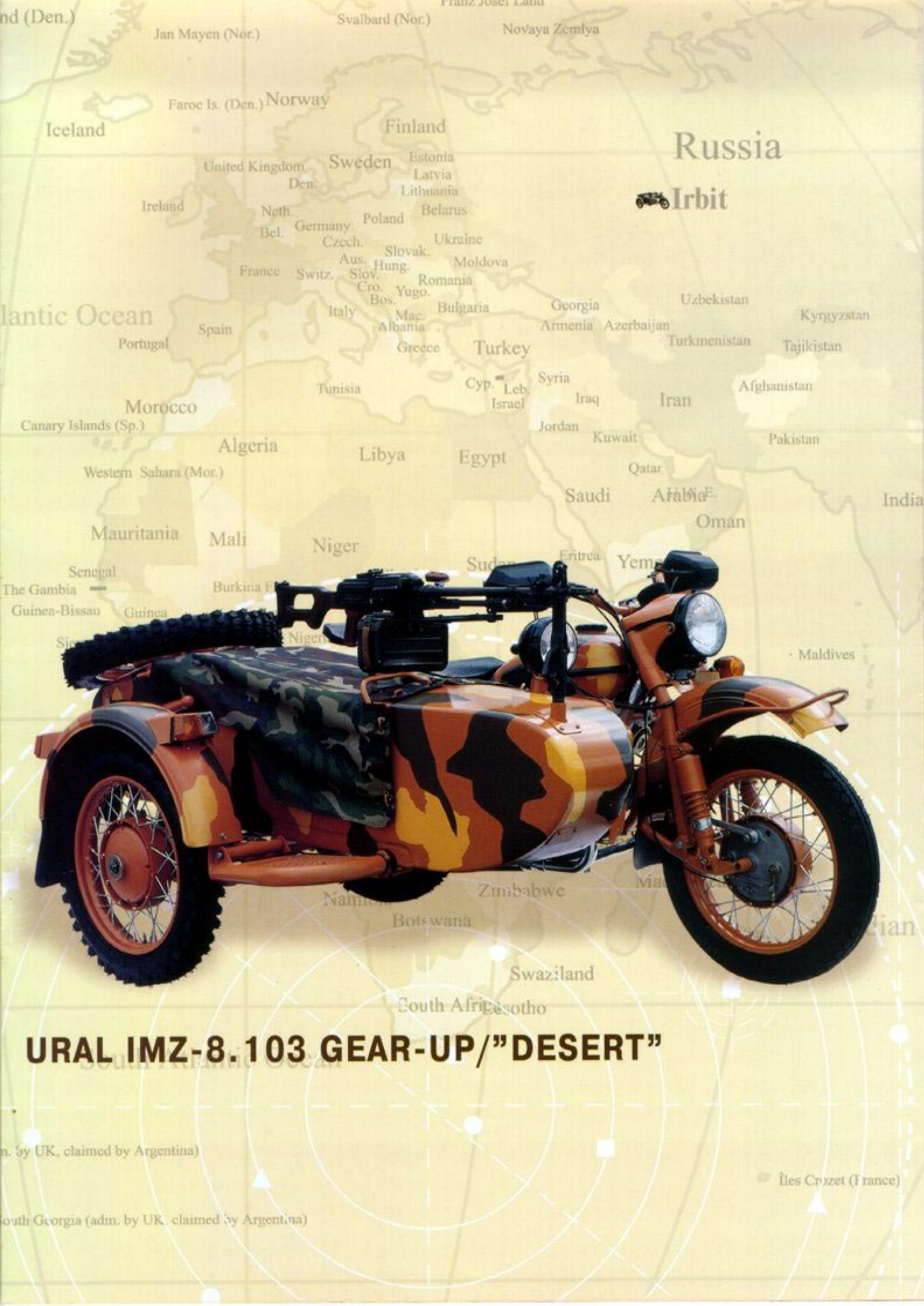


IMZ-8.103 GEAR-UP




URAL IMZ-8.103 GEAR-UP/"STANDARD"

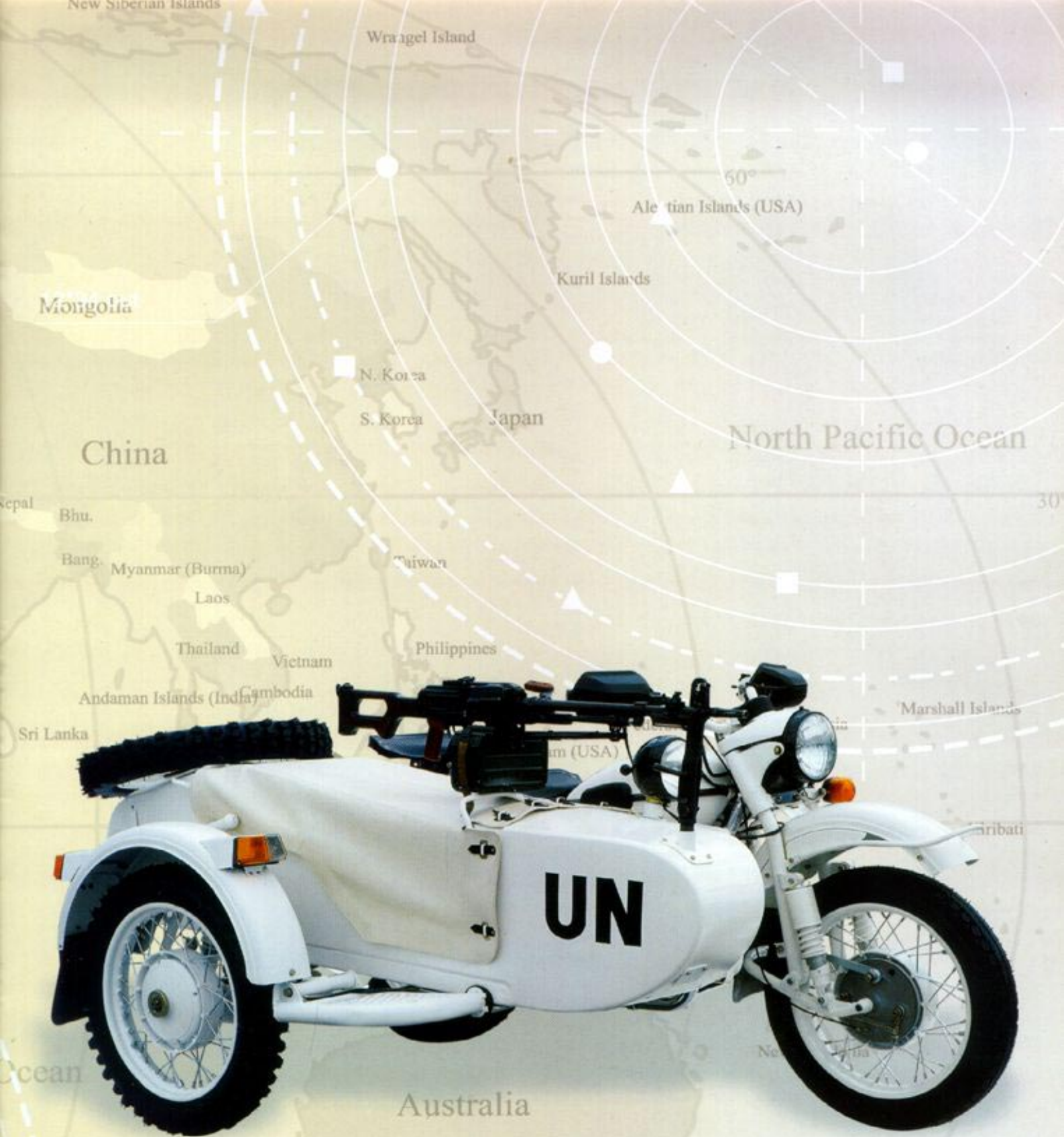
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Russia

 Irbis

URAL IMZ-8.103 GEAR-UP/"DESERT"



URAL IMZ-8.103 GEAR-UP/"PEACE KEEPER"

New Zealand

Tasmania

Introducing the new line of army motorcycles IMZ-8 103 GEAR-UP



When analysing armed conflicts that took place for the latest twenty years it is obvious that the identity of combat actions had dramatically changed. There are no more big armies involved into battles, instead local wars are in place with limited use of heavy armoured vehicles whilst no definite front line. Small and mobile elements act and mainly fight for various military or civilian sites or settlements being strong points. The great increase in mobility of elements in today's fight can be achieved when you use such a specific transportation vehicle like motorcycle adequate to new scenery.

This is why the professionals of IMZ-Ural Company engineered and tested the army modification of an off-road sidecar-drive motorcycle IMZ-8.103 GEAR-UP.

The basic armament of the motorcycle is the machine gun of PK type (7,62-mm calibre). The open structure of the motorcycle provides for circular targeting and destroying the enemy man force effectively at the distance from 100 to 2000 meters. When equipped with a special stand or turret to mount the grenade launcher of KONKURS or FAGOT 9K113 type, the new GEAR-UP motorcycles can be effectively used with anti-tank sections. The target ability of anti-tank rockets launched at ground and low flying aims from the sidecar fender is not less than 90 per cent at the distance from 2000 to 4000 meters.

The automatic grenade launcher of AGS-17 PLAMIA type (40-mm calibre) is one more arms types you can use with the motorcycle.

With excellent ease the three-wheeler gears up to places where its sluggish four-wheeled colleague has no chance. Reconnaissance, diversions and patrolling and communications is not the complete list of jobs this versatile

motorcycle can do.

Being smaller but more manoeuvrable than any army jeep GEAR-UP motorcycle is also effective for task force missions and in particular in tight city blocks.

The crew of the motorcycle may include two or three people including driver.

You can load up to 100 kilograms of equipment and ammunition onto the sidecar without passenger and 25 kilograms with passenger.

Powerful engine and adequate transmission ensure the high dynamics, manoeuvrability and road ability of the motorcycle. The short wheel base of only 1500 mm and big diameter wheels of 19" in combination with cross-country tire pattern plus reverse gear and high clearance are the best for heavy terrain. The design and structure of power train featuring gearbox as a separate unit and propeller shaft are dependable and easy in repair right in the field.

One more thing to note is that the motorcycle uses the same types of oils and lubricants cars use. IMZ-8.103 GEAR-UP easily overcomes the obstacles other vehicles are not able to get over absolutely. Using the "flying chair" drive style with the sidecar in the air the motorcycle is able to pass over the deep craters and other obstacles. You can drag your motorcycle over fallen tree or electric line stand using the muscles only thus attacking your enemy without warning and from unexpected direction. The high speed of more than 100 km per hour let the crew get rid of pursuit and be safe.

GEAR-UP motorcycles can be used under any climatic conditions starting with Arctic zone and ending up with tropics in the temperature between -40 to +50 C°.



Basic Technical Specification of IMZ 103 GEAR-UP

Crew: 3(2)

Engine: Carburettor, 4 -stroke, cooled by contrary air flow

Power, kilowatt: 23,5

Fuel: Gasoline, Octane No. not less than 76



Transmission

Wheel formula: 3x2 Gearbox: 4-speed and reverse

Main drive: Propeller shaft rear drive: Conical reducing gear

Sidecar drive types: Part-time 2WD, disengageable, without differential

Running gear

Frame: Tubular, welded Front fork: Swing arm with Hydraulic shock absorbers and springs

Rear suspension: Swing arm with hydraulic shock absorbers and springs

Wheels: Interchangeable Tire size 4,00-19"

Circuit voltage: 12 V, DC

Performance

Speed on paved road, km per hour: 105

Cruising range with one refueling, km

- standard fuel tank: 240

- additional canister: 125

Dry mass, kg: 315

Dimensions, mm

Length: 2650 Width: 1700 Height: 1100

Wheel base: 1500 Clearance: 200

Basic armament: 7,62-mm PK machine gun

Accessories: Pilot lamp, 10 L fuel canister, entrenching tool set

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