



A Product of the  
Cooperative Engineering Program

**SAE J1248 MAY83**

**Performance  
Requirements for  
Parking Stability of  
Motorcycles**

SAE Recommended Practice  
Issued May 1983

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# SPECIALIZED VEHICLE PRACTICE

SAE J1248

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an American National Standard

## PERFORMANCE REQUIREMENTS FOR PARKING STABILITY OF MOTORCYCLES

### 1. SCOPE:

This recommended practice presents performance requirements for the parking stability of two-wheeled motorcycles intended for highway use.

### 2. PERFORMANCE REQUIREMENTS:

When tested according to SAE J1101 MAY83, the motorcycle shall meet the following requirements:

#### 2.1 Maximum Pressure on the Parking Surface:

2.1.1 Side Stand: 700 kPa (100 lbf/in<sup>2</sup>).

2.1.2 Center Stand: 700 kPa (100 lbf/in<sup>2</sup>).

2.2 Minimum Required Tip Over Angle: See Table 1.

2.3 Minimum Required Roll Off Angle: See Table 2.

### 3. REFERENCE:

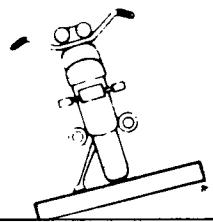
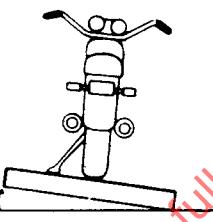
SAE J1101, Test Procedure for Parking Stability of Motorcycles

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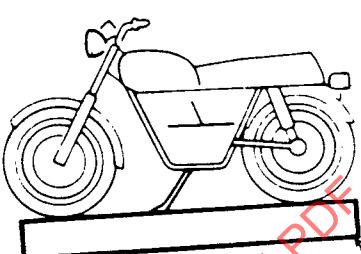
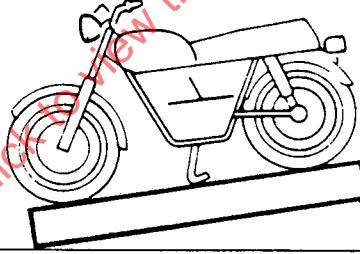
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TABLE 1

Device	Direction of Tilt	Diagram of Procedure	Minimum Required Performance (Deg)
Side Stand	Toward Side Stand		16
Side Stand	Away from Side Stand		8
Center Stand	Left		8
Center Stand	Right		8

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TABLE 2

Device	Direction of Tilt	Diagram of Procedure	Minimum Required Performance (Deg)
Side Stand	Forward		4
Center Stand	Forward		8

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