

## Table of Contents

<b>1966 Sportster</b> .....	1
<b>Vehicle Identification Number (VIN)</b> .....	1
<b>Specifications</b> .....	1
Engine .....	1
Capacities .....	1
Dimensions .....	1
Drivetrain .....	2
Tires .....	2
<b>Models</b> .....	2
XLH 883 .....	2
XLCH 883 .....	3



# 1966 Sportster

## Vehicle Identification Number (VIN)

- The serial number is stamped on the left side of the engine case. The first 5 or 6 digits represent the year and model <sup>1)</sup>

## Specifications

### Engine

- Engine type: 4 cycle Overhead Valves, 45 degree V2 <sup>2)</sup>
- Displacement: 54 ci / 883 cc
- Hemi-spherical style heads
- Bore: 3 in / 7.62 cm <sup>3)</sup>
- Stroke: 3.8125 in / 9.68 cm <sup>4)</sup>
- 90 Degree Valve Angle
- Horsepower: 42 @ 5,500rpm (XL) <sup>5)</sup>

	<b>XL</b>	<b>XLH,XLCH</b>
<b>Compression</b>	7.5:1	9.0:1
<b>Torque</b>	48 ft-lb / 2.023 Nm @ 3600 RPM	52 ft-lb / 2.191 Nm @ 3800 RPM

<sup>6)</sup>

### Capacities

- Fuel capacity: 4 gal / 15.14 l (XLCH 2.2 gal / 8.328 l) <sup>7)</sup>
- Oil Capacity: 3 qts. / 2.83 l <sup>8)</sup>
- Transmission Capacity: 1.5 pints / .71 l <sup>9)</sup>
- MPG: 50mpg (est.)

### Dimensions

- Weight: 495 lb / 225 kg

	<b>XL, XLH</b>	<b>XLCH</b>
<b>Wheelbase</b>	56.6 in / 143.51 cm	57 in / 137.6 cm
<b>Overall Length</b>	87 in / 221 cm	83.25 in / 211.4 cm
<b>Overall Width</b>	34 in / 86.36 cm	29.5 in / 75 cm
<b>Overall Height</b>	40.5 in / 103 cm	42 in / 106.7 cm

	<b>XL, XLH</b>	<b>XLCH</b>
<b>Road Clearance</b>	2.5 in / 6.35 cm minimum	4 1/8 in / 10.478 cm minimum

10)

## Drivetrain

- Constant Mesh - Foot shift
- Speeds - 4 Forward
- Number of Sprocket Teeth
  - Engine: 34
  - Clutch: 59
  - Transmission: 21 (XLCH 20)
  - Rear Wheel: 51
- Gear Ratios (XL,XLH)
  - 1st: 10.63 to 1
  - 2nd: 7.69 to 1
  - 3rd: 5.82 to 1
  - 4th: 4.21 to 1
- Gear Ratios (XLCH)
  - 1st: 11.16:1
  - 2nd: 8.08:1
  - 3rd: 6.11:1
  - 4th: 4.42:1

## Tires

Tires Size	<b>XL, XLH</b>	<b>XLCH</b>
<b>Front</b>	3.50 X 18	3.25/3.50 X 19
<b>Rear</b>	3.50 X 18	4.00 X 18

- Tire pressure
  - Front: 14 psi / .96 bar
  - Rear: 18 psi / 1.24 bar

11)

## Models

### XLH 883

What is the Current KBB Value? <sup>12)</sup>

## XLCH 883

What is the Current KBB Value? <sup>13)</sup>

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Back to [Sportster History Index](#)

1)

HD Parts Catalog XLH/XLCH-1000 #(99451-78)

2) 3) 4) 5) 6) 7) 8) 9) 10) 11)

Harley-Davidson 1957 - 1969 Service Manual

12)

<http://www.kbb.com/motorcycles/harley-davidson/xlh-sportster/1966-harley-davidson-xlh-sportster/trade-in/>

13)

<http://www.kbb.com/motorcycles/harley-davidson/xlch-sportster/1966-harley-davidson-xlch-sportster/trade-in/>

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