

# 2016 FAT BOY® LO FLSTFB

A Darker, Lower, Meaner Iconic Boulevard Cruiser



**Model shown in HDI configuration.**

The vehicle models, configurations, options, and accessories pictured or otherwise described in this reference guide may not be available in all countries.



**Markets:** APC, AUS, BRZ, MEX, ENG, HDI, IND, JPN

# FAT BOY® LO

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## MODEL OVERVIEW



### MODEL OVERVIEW

Building on the Fat Boy® legacy, the Fat Boy® Lo model redefines the world of boulevard cruisers with a darker, slammed profile. Laid-back and blacked-out, the bike exudes attitude with custom, Black Bullet Hole Disc wheels, denim black frame, blacked-out covers and header shields, and satin chrome in all the places you'd expect to see mirror chrome.

### NEW IN 2016

- High Output Twin Cam 103B™ engine
- Newly designed air cleaner cover with High Output 103 badging
- Electronic throttle control system for enabled cruise control
- Paint color options

### MODEL UNIQUE FEATURES

#### Style

- Overall slammed, dark appearance with satin chrome accents
  - Denim black frame, swingarm, header shields, oil tank, air cleaner and various covers
  - Gloss black triple clamp, nacelle, headlight bucket, footboards, fender supports
  - Satin chrome primary cover, engine covers, instrument console, mufflers and muffler shields
- Black powder-coated engine with satin chrome covers
- Denim black and satin chrome over/under shotgun exhaust with dual mufflers
- Black Bullet Hole Cast Aluminum Disc wheels, 17-inch front and rear
- Beefy, 200 mm wide rear tire

### MODEL UNIQUE FEATURES *(continued)*

#### Style *(continued)*

- Distinctive horseshoe oil tank with external oil lines
- Nostalgic 177.8 mm ball headlamp
- Hardtail styling with hidden horizontal rear shocks
- Distinctive satin-finished tank medallion
- Leather fuel tank panel with embossed H-D® medallion

#### Fit

- Low 670 mm, narrow cut seat
- Two-piece, two-up Softail® classic removable seat pillion
- Low-profile, ergonomic 31.75 mm internally-wired handlebar
- Lowered rear suspension
- Forward foot controls
- Half-moon rider footboards
- Standard passenger footpegs

#### Function

- Electronic throttle control
- Easy reach side stand
- Tank-mounted electronic speedometer with odometer, time-of-day clock on odometer, dual tripmeter, RPM/gear display, fuel gauge with low-fuel warning light and countdown feature, low-oil pressure indicator light, engine diagnostics readout, LED indicator lights, 6-speed indicator light
- Self-canceling turn signal controls
- Start, engine cutoff, left/right turn signals, horn, hi/low beam, odometer trip switch and hazard warning hand controls
- Barrel key, tank console-mounted ignition; fork lock common with ignition key
- Electric power accessory connector under seat

### MODEL UNIQUE FEATURES *(continued)*

#### Performance

- Rigid-mounted, Air-cooled, 1690 cc High Output Twin Cam 103B™ counter-balanced engine with Automatic Compression Release (ACR)
- 6-Speed Cruise Drive® transmission
- Electronic Sequential Port Fuel Injection (ESPFI) with heated O2 sensors
- Anti-lock Braking System (ABS)<sup>1</sup>, standard

### AVAILABLE OPTIONS

- Electronic cruise control (factory installed option)
- Smart Security System<sup>2</sup> with proximity-based, hands-free security fob (factory installed option)
- Engine Idle Temperature Management Strategy (EITMS) (dealer-activated)

<sup>1</sup> Harley-Davidson's independent Anti-lock Braking System is designed to help you maintain control during braking events, especially those that happen in less than optimum conditions. Engineering and styling worked together to make sure the system is not only designed and carefully tested to work superbly, but that it is also engineered not to interfere with style. ABS is standard on all 2016 Softail® motorcycles.

<sup>2</sup> North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

# 2016 FAT BOY<sup>®</sup> LO

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## MODEL SPECIFICATIONS<sup>1</sup>



Specifications apply to all available markets unless noted.

DIMENSIONS	
Length	<b>2385 mm</b> (93.9 in.)
Overall Width	<b>990 mm</b> (39 in.)
Overall Height	<b>1095 mm</b> (43.1 in.)
Seat Height <i>(unladen)</i>	<b>670 mm</b> (26.4 in.)
Ground Clearance	<b>125 mm</b> (4.9 in.)
Rake <i>(steering head)</i>	31.6°
Fork Angle	31.6°
Trail	<b>147 mm</b> (5.8 in.)
Wheelbase	<b>1630 mm</b> (64.2 in.)
Tires <i>(Dunlop® Harley-Davidson® Series, radial blackwall front and rear):</i>	
• Front – D408F	140/75R17 67V
• Rear – D407	200/55R17 78V
Fuel Capacity	<b>18.9 L</b> (5 gal.)
<i>(warning light at approximately 3.8 L)</i>	
Oil Capacity <i>(w/filter)</i>	<b>3.3 L</b> (3.5 qts.)
Transmission Capacity	<b>.95 L</b> (1 qt.)
Primary Chain Case Capacity	<b>.95 L</b> (1 qt.)
Weight:	
• As Shipped	<b>320 kg</b> (705 lbs.)
• In Running Order	<b>333 kg</b> (734 lbs.)
• Gross Vehicle Weight Rating	<b>526 kg</b> (1160 lbs.)
• Gross Axle Weight Rating:	
• Front	<b>195 kg</b> (430 lbs.)
• Rear	<b>331 kg</b> (730 lbs.)
ENGINE	
Engine	Air-Cooled, High Output Twin Cam 103B™
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder
Bore x Stroke	<b>98.4 mm x 111.1 mm</b> (3.87 in. x 4.374 in.)
Displacement	<b>1690 cc</b> (103.1 cu. in.)
Compression Ratio	9.6:1
Fuel System <sup>2</sup>	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Paper, washable
Lubrication System	Pressurised, dry-sump

DRIVETRAIN	
Primary Drive	Chain, 34/46 ratio
Final Drive	Belt, 32/66 ratio
Clutch	Multi-plate, wet
Transmission	6-Speed Cruise Drive <sup>®</sup>
Gear Ratios <i>(overall):</i>	
• 1st	<b>9.311</b>
• 2nd	<b>6.454</b>
• 3rd	<b>4.793</b>
• 4th	<b>3.882</b>
• 5th	<b>3.307</b>
• 6th	<b>2.79</b>
CHASSIS	
Frame	Mild steel tubular frame; rectangular section backbone; stamped, cast, and forged junctions; forged fender supports; MIG welded
Swingarm	Mild steel, round tube sections, forged junctions; MIG welded
Front Forks	41.3 mm telescopic, “beer can” covers
Rear Shocks	Hidden, horizontal-mounted, coil-over
Wheels <sup>3</sup> :	Black, Bullet Hole Disc Cast Aluminum
• Front	<b>17 in. x 3.5 in.</b> (432 mm x 89 mm)
• Rear	<b>17 in. x 6 in.</b> (432 mm x 152 mm)
Brakes:	
• Caliper Type	4-piston front and 2-piston rear
• Rotor Type	Split 7-spoke floating rotor <i>(front)</i> , Uniform expansion solid rotor <i>(rear)</i>
<i>(diameter x width):</i>	
• Front	<b>300 mm x 5 mm</b> (11.8 in. x 0.2 in.)
• Rear	<b>292 mm x 5.8 mm</b> (11.5 in. x 0.23 in.)
• Anti-lock Braking System	Standard
Suspension Travel:	
• Front Wheel	<b>130 mm</b> (5.1 in.)
• Rear Wheel	<b>86 mm</b> (3.4 in.)
PERFORMANCE	
Engine Torque <sup>4</sup> :	
• AUS <i>(per EEC/95/1)</i>	<b>135 Nm</b> (99.6 ft-lb) @ <b>3250 RPM</b>
Lean Angle <i>(per J1168):</i>	
• Right	25.6°
• Left	25.2°
Fuel Economy <sup>5</sup>	<b>5.6 L/100 km</b> (42 mpg)
<i>(EPA urban/highway test)</i>	

ELECTRIC	
Battery <i>(per Battery Council International Rating)</i>	Sealed, maintenance-free, 12V, 19-amp/hour, 315 cca
Charging	Three-phase, 38-amp system <i>(439W @ 13V, 2000 RPM, 489W max power @ 13V)</i>
Starting	1.2 kW electric with solenoid shift starter motor engagement
Lights <i>(as per country regulation):</i>	
• Headlamp <i>(Quartz Halogen)</i>	55-watt low beam, 60-watt high beam
• Tail/Stop Lights	5W/21W
• Front Signal Lights	N/A
• Indicator Lamps	High beam, neutral, low oil pressure, turn signals, engine diagnostics, security system <sup>6</sup> , 6-speed, low fuel warning, low battery, ABS
• Lights, Rear Turn Signals	Incandescent self-cancelling
WARRANTY	
Warranty	24 months <i>(unlimited mileage)</i>
Service Interval <sup>7</sup>	First <b>1600 km</b> (1000 miles), every <b>8000 km</b> (5000 miles) thereafter

<sup>1</sup> Vehicles depicted may differ from vehicles manufactured and delivered. Specifications and prices listed may differ from specifications and prices of vehicles manufactured and delivered. All product descriptions (including depictions, specifications, dimensions, measurements, ratings and competitive comparisons) are based on available information at the time of publication. Although such descriptions are believed correct, errors and changes can occur and complete accuracy cannot be guaranteed. Harley-Davidson may make changes at any time to prices and specifications, and may change or discontinue models, without notice and without incurring any obligation. Attention: Vehicles in the configurations shown and many of the accessories described in this catalog may not be available for sale or use in some locations. Please check with your dealer for complete product details and the latest information. All models feature 6-speed transmission (V-Rod® models and Sportster® models are 5-speed) and carbon fiber belt final drive; multi-plate clutch with diaphragm spring in oil bath; and 2-year unlimited mileage warranty.

<sup>2</sup> Recommended 91 octane or higher fuel (R+M)/2.

<sup>3</sup> Standard and optional wheels may vary by country and region.

<sup>4</sup> Values shown are nominal. Performance may vary by country and region.

<sup>5</sup> The combined fuel economy numbers were derived using a combination of estimated city and highway values. Fuel economy estimates are derived from US EPA exhaust emission certification data on a sample motorcycle from the corresponding family under ideal laboratory conditions. Your actual fuel economy will vary depending on your personal riding habits, road and driving conditions, vehicle condition and maintenance, tire pressure, vehicle configuration (parts and accessories), and vehicle loading (cargo, rider and passenger weight). Break-in mileage may vary.

<sup>6</sup> North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

<sup>7</sup> Inspections of certain systems and components are required at 4000 km (2500 mile) intervals. See Owner's Manual for full details.



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COLORS/CALLOUTS



## SOLIDS

Vivid Black

Amber Whiskey

**Black Denim** *(shown)*

**NEW** Charcoal Denim

**NEW** Crushed Ice Pearl

\* Availability of colors may vary from dealer to dealer, and is subject to change without notice.

**Model shown in Domestic configuration.**

