2016

ROAD KING®

FLHR

Comfortable Long-distance Touring in Timeless Cruiser Style

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: HDI, MEX, APC, AUS, ENG, JPN

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MODEL OVERVIEW

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The Road King® motorcycle represents Custom Touring at its finest and most affordable. While it may look like a boulevard cruiser, the model is fully equipped for long-distance touring with all the essentials required for a cross-country adventure.

NEW IN 2016

- Reduced-width primary housing and derby cover
- Paint color options including Custom colors

MODEL UNIQUE FEATURES

Style

- Impeller Cast Aluminum wheels
- Dual front floating open rotors (not available with optional laced wheels)
- Streamlined, low-profile front fender
- 49 mm telescopic front forks
- Sleek airbox with 103 insert
- Sleek saddlebags with chrome saddlebag support structure
- Sleek saddlebag guard
- Tank and front fender medallions
- Black powder-coated engine with chrome covers
- Chrome 2-1-2 dual exhaust with tapered mufflers
- Clean rear fender and low-mount license plate module with LED illumination

MODEL UNIQUE FEATURES *(continued)*

Fit

- Ergonomically comfortable handlebar
- One-piece, two-up Road King® seat
- Saddlebag guard shaped for passenger comfort
- Full-length rider footboards with heel/toe shift levers
- Height-adjustable passenger footboards

Function

- Electronic cruise control standard
- 49 mm telescopic front forks for stiffer front end
- Dual Halogen headlight and halogen fog lamps
- King Size H-D® Detachables™ windshield
- Tank-mounted speedometer with wide numbers; display screen features odometer, trip A, trip B, clock, range to empty, tachometer, and gear indicator
- Ergonomic hand controls with intuitive design and tactile feel. Includes trigger switch for odometer, trip A, trip B, clock, range to empty, tachometer, and gear indicator; hazard warning switch
- Saddlebags with One-Touch design latch
- Saddlebag locks common with ignition key
- Standard battery charging harness
- CAN-based electrical system
- Electronic throttle control
- Dunlop® 180 mm multi-tread rear tire
- Brembo® 4-piston front and rear calipers
- Air-adjustable full travel air ride rear suspension
- 22.7 L fuel tank for extended range
- Electric power accessory connector under seat

MODEL UNIQUE FEATURES *(continued)*

Performance

- Rubber-mounted, Air-cooled 1690 cc Twin Cam 103™ engine with oil cooler
- High-flow airbox
- Electronic Sequential Port Fuel Injection (ESPFI) with heated O2 sensors
- 6-Speed Cruise Drive® transmission with Isolated Drive System (IDS) for smooth power delivery
- Rider-Initiated Engine Idle Temperature Management Strategy (EITMS)
- Reflex™ Linked Brakes with ABS[1], standard

AVAILABLE OPTIONS

- Smart Security System[2] with proximity based, hands-free security fob (factory installed option)

[1] 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 Touring motorcycles except the Road King®, Street Glide®, and Road Glide® models, where it remains an option.

[2] North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

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MODEL SPECIFICATIONS[1]

Specifications apply to all available markets unless noted.

DIMENSIONS

Length	**2450 mm** (96.5 in.)
Overall Width	**960 mm** (37.8 in.)
Overall Height	**1430 mm** (56.3 in.)
Seat Height *(unladen)*	**715 mm** (28.1 in.)
Ground Clearance	**135 mm** (5.3 in.)
Rake *(steering head)*	26°
Fork Angle	29.25°
Trail	**170 mm** (6.7 in.)
Wheelbase	**1625 mm** (64 in.)
Tires *(Dunlop® Harley-Davidson® Series, bias narrow whitewall)*:	
• Front – D408F	NW 130/80B17 65H
• Rear – D407	NW 180/65B16 81H
Fuel Capacity *(warning light at approximately 3.8 L)*	**22.7 L** (6 gal.)
Oil Capacity *(w/filter)*	**3.8 L** (4 qts.)
Transmission Capacity	**1 L** (1 qt.)
Primary Chain Case Capacity	**1.3 L** (1.4 qts.)
Weight:	
• As Shipped	**353 kg** (778 lbs.)
• In Running Order	**371 kg** (818 lbs.)
• Gross Vehicle Weight Rating	**617 kg** (1360 lbs.)
• Gross Axle Weight Rating	
• Front	**227 kg** (500 lbs.)
• Rear	**420 kg** (927 lbs.)
• Luggage Capacity:	
• Volume	**0.064 m³** (2.2857 cu. ft.)

ENGINE

Engine	Air-cooled Twin Cam 103™ with integrated oil cooler, Air-cooled
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder
Bore x Stroke	**98.4 mm x 111.1 mm** (3.875 in. x 4.38 in.)
Displacement	**1690 cc** (103.1 cu. in.)
Compression Ratio	9.7:1
Fuel System[2]	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Fiberglass, washable, Paper, washable
Lubrication System	Pressurised, dry-sump with oil cooler

DRIVETRAIN

Primary Drive	Chain, 34/46 ratio
Final Drive	Belt, 32/68 ratio
Clutch	Multi-plate, wet, Cable actuated, 9 plate wet, with high performance spring *(MEX)*
Transmission	6-Speed Cruise Drive®
Gear Ratios (overall):	
• 1st	**9.593**
• 2nd	**6.65**
• 3rd	**4.938**
• 4th	**4**
• 5th	**3.407**
• 6th	**2.875**

CHASSIS

Frame	Mild steel; tubular frame; two-piece stamped and welded backbone; cast and forged junctions; twin downtubes; bolt-on rear frame with forged fender supports; MIG welded
Swingarm	Mild steel; two-piece drawn and welded section; forged junctions; MIG welded
Front Forks	49 mm
Rear Shocks	Air-adjustable full travel air ride rear suspension
Wheels[3] *(Chrome Steel Laced with Whitewall, option)*:	Black, 28-spoke Cast Aluminum, Impeller Cast Aluminum
• Front	**17 in. x 3 in.** (432 mm x 76 mm)
• Rear	**16 in. x 5 in.** (406 mm x 127 mm)
Brakes:	
• Caliper Type	Patented, fixed rotors, Dual floating
• Rotor Type *(diameter x width)*:	rotors *(front)*, fixed rotors *(rear)*
• Front *(dual)*	**300 mm x 5.1 mm** (11.81 in. x 0.2 in.)
• Rear	**300 mm x 7.1 mm** (11.81 in. x 0.28 in.)
• Anti-lock Braking System	Standard
Suspension Travel:	
• Front Wheel	**117 mm** (4.6 in.)
• Rear Wheel	**76 mm** (3 in.)

PERFORMANCE

Engine Torque[4]:	
• HDI *(per EEC/95/1)*	**138 Nm** (101.8 ft-lb) **@ 3500 RPM**
Lean Angle *(per J1168)*:	
• Right	33°
• Left	31°
Fuel Economy[5] *(EPA urban/highway test)*	**5.6 L/100 km** (42 mpg)

ELECTRIC

Battery *(per Battery Council International Rating)*	Sealed, maintenance-free, 12V, 28-amp/hour, 370 cca
Charging	Three-phase, 50-amp system *(585W @ 13V, 2000 RPM, 650W max power @ 13V)*
Starting	1.2 kW electric with solenoid shift starter motor engagement
Lights *(as per country regulation)*:	
• Headlamp *(Dual Halogen)*	55-watt, 60-watt high beam 625 lumen low beam
• Tail/Stop Lights	5W/21W
• Front Signal Lights	8W/28W
• Indicator Lamps	High beam, running lights, front fender running lights, directional light bar, neutral, low oil pressure, engine diagnostics, turn signals, security system[6] *(optional)*, 6-speed, low fuel warning, cruise control *(optional)*, ABS *(optional)*
• Auxiliary Lamps *(except where prohibited by law)*	Two LED @ 35W each

WARRANTY

Warranty	24 months *(unlimited mileage)*
Service Interval[7]	First **1600 km** (1000 miles), every **8000 km** (5000 miles) thereafter

[1] 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.

[2] Recommended 91 octane or higher fuel (R+M)/2.

[3] Standard and optional wheels may vary by country and region.

[4] Values shown are nominal. Performance may vary by country and region.

[5] 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.

[6] North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

[7] 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	PINSTRIPING
Vivid Black	Med. Silver *(inside and outside)*
NEW Billet Silver	Burgundy *(inside)*, Charcoal Metallic *(outside)*
NEW **Velocity Red Sunglo** *(shown)*	Med. Red *(inside)*, Pale Gold *(outside)*

TWO-TONES	PINSTRIPING
Deep Jade Pearl/Vivid Black	Lt. Green *(inside)*, Pale Gold *(outside)*
NEW Crushed Ice Pearl/Frosted Teal Pearl	Gray *(inside)*, Teal *(outside)*

CUSTOM COLORS[1]	PINSTRIPING
NEW Purple Fire/Blackberry Smoke	Gray *(inside)*, Teal *(outside)*
NEW Cosmic Blue Pearl	

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

Model shown in Domestic configuration.

