



TOURING

NEW ROAD KING® SPECIAL FLHRXS

The stripped down, muscled-up version of the American icon

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, ENG, HDI, JPN



NEW ROAD KING® SPECIAL

MODEL OVERVIEW FLHRXS

NEW IN 2017

- Milwaukee-Eight™ 107 engine, the most powerful, coolest-running motor we've ever built*
- Unique engine-turned air cleaner insert
- Aggressive blacked-out styling throughout
- Gloss Black Turbine wheels; 19-inch front and 18-inch rear
- Black mini-ape handlebar combines a profiling rider attitude with comfort for the open road
- Stretched saddlebags and FLHX rear fascia create a slammed profile
- Reflex Linked Brakes with ABS and Security system, standard
- Rear exhaust pipe and catalytic converters repositioned away from the passenger for less heat and a more comfortable ride
- Precision oil-cooling for cooler running and consistent performance
- Front and rear suspension
 - Front suspension uses Showa® Dual Bending Valve (SDBV™) technology and gives you 117 mm of travel
 - Hand-adjustable emulsion rear shocks provide 15-30% more preload adjustment* and adjust with the turn of a single knob, no tools required; new bigger pistons improve damping performance over the range of suspension travel
 - Paint color options including Hard Candy Custom™ color

MODEL UNIQUE FEATURES

Style

- Blacked-out powertrain components and exhaust
- Blacked-out triple clamps, front forks, engine guards, and console with engine-turned highlights
- Hiawatha headlamp with Black nacelle and wide set handlebar
- Minimalist tank-mounted gauge keeps handlebar uncluttered while still providing all essential readouts
- Gloss Black Turbine wheels, 19-inch front and 18-inch rear

MODEL UNIQUE FEATURES *(continued)*

Style *(continued)*

- Dual front, floating open rotors
- Streamlined, low-profile front fender
- 49 mm telescopic front forks
- Stretched saddlebags
- Tank medallions
- Black 2-1-2 dual exhaust with tapered mufflers
- Clean rear fender and low-mount license plate module with LED illumination

Fit

- Narrow primary drive for a straighter, easier reach to the ground
- Ergonomically comfortable handlebar
- One-piece, two-up seat
- Full-length rider footboards with heel/toe shift levers

Function

- Dual Halogen headlight and halogen fog lamps
- 49 mm Showa® Dual Bending Valve technology
- Large diameter, hand-adjustable rear emulsion shocks
- Electronic cruise control, standard
- Tank-mounted speedometer with wide numbers; display screen features odometer, trip A, trip B, clock, range to empty, tachometer, and gear indicator
- Reflex™ Linked Brakes with ABS¹
- 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

MODEL UNIQUE FEATURES *(continued)*

Function *(continued)*

- Charging system with 50% more power at idle
- CAN-based electrical system
- Standard battery charging harness
- Electronic throttle control
- Dunlop® 180 mm multi-tread rear tire
- Brembo® 4-piston front and rear calipers
- Standard Smart Security System² with proximity based, hands-free security fob
- 22.7L fuel tank for extended range
- Electric power accessory connector under seat

Performance

- Milwaukee-Eight™ 107 engine
- High-flow airbox with unique engine-turned air cleaner insert
- 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)

*Comparison drawn between new 2016 Touring models and new 2017 Touring models.

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 2017 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 SPECIFICATIONS¹ FLHRXS

Specifications apply to all available markets unless noted.

DIMENSIONS

Length	2420 mm (95.3 in.)
Overall Width	990 mm (39 in.)
Overall Height	1150 mm (45.3 in.)
Seat Height <i>(unladen)</i>	695 mm (27.4 in.)
Ground Clearance	124 mm (4.9 in.)
Rake <i>(steering head)</i>	26°
Fork Angle	29.25°
Trail	170 mm (6.7 in.)
Wheelbase	1625 mm (64 in.),

Tires *(Dunlop® Harley-Davidson® Series, bias blackwall front and rear):*

- Front – D408F 130/60B19 61H
- Rear – D407 180/55B18 80H

Fuel Capacity **22.7 L** (6 gal.)
(warning light at approximately 3.8 L)

Oil Capacity *(w/filter)* **4.9 L** (5.2 qt.)

Transmission Capacity **.95 L** (1 qt.)

Primary Chain **1 L** (1.1 qt.)

Case Capacity

Weight:

- As Shipped **355 kg** (783 lb.)
- In Running Order **372 kg** (820 lb.)
- Gross Vehicle Weight Rating **617 kg** (1360 lb.)

• Gross Axle Weight Rating

- Front **227 kg** (500 lb.)
- Rear **420 kg** (927 lb.)

- Luggage Capacity: **0.07 m³** (2.5 cu. ft.)

ENGINE

Engine	Milwaukee-Eight™ 107
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; four valves per cylinder
Bore x Stroke	100 mm x 111.1 mm (3.9 in. x 4.4 in.)
Displacement	1745 cc (106 cu. in.)
Compression Ratio	10.0:1
Fuel System ²	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Paper, washable
Lubrication System	Pressurized, dry-sump with oil cooler

DRIVETRAIN

Primary Drive	Chain, 34/46 ratio
Final Drive	Belt, 32/68 ratio
Clutch	Hydraulically actuated, 9 plate wet, Assist & Slip
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 Dual Bending Valve
Rear Shocks	Premium low height hand-adjustable rear suspension
Wheels:	Black, Turbine Cast Aluminum
• Front	19 in. x 3.5 in. (483 mm x 89 mm)
• Rear	18 in. x 5 in. (457 mm x 127 mm)
Brakes:	
• Caliper Type	32 mm, 4-piston fixed front and rear, Dual floating rotors <i>(front)</i> , fixed rotor <i>(rear)</i> ,
• Rotor Type	<i>(diameter x width):</i>
• Front <i>(dual)</i>	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	55 mm (2.2 in.)

PERFORMANCE

Engine Torque⁴: *(per EC 134/2014)*

- HDI **150 Nm** (111 ft-lb) @ **3250 RPM**

Lean Angle *(per J1168):*

- Right **32°**
- Left **31°**

Fuel Economy⁶ **5.7 L/100 km** (41 mpg)
(Combined City/Hwy)

ELECTRIC

Battery <i>(per Battery Council International Rating)</i>	Sealed, maintenance-free, 12V, 28-amp/hour, 405, 405 (MEX) cca
Charging	Three-phase, 48-amp system <i>(600W @ 13V, 2000 RPM, 625W max power @ 13V)</i>
Starting	1.6 kW electric with solenoid shift starter motor engagement

Lights *(as per country regulation):*

• Headlamp	Dual halogen headlight 55-watt 625 lumen low beam, 65-watt 1570 lumen high beam
• Tail/Stop Lights	8W/28W
• Front Signal Lights	8W/28W
• Indicator Lamps	High beam, running lights, directional light bar, neutral, low oil pressure, engine diagnostics, turn signals, battery, security system ⁵ <i>(optional)</i> , low fuel warning, cruise control, ABS, Gear/RPM display, miles to empty display
Gauges	Tank-mounted electronic speedometer with ergonomic hand controls with intuitive design for improved tactile feel. Includes trigger switch for odometer, trip A, trip B, clock, range to empty, tachometer, and gear indicator

WARRANTY

Warranty	24 months <i>(unlimited mileage)</i>
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.



NEW ROAD KING® SPECIAL

COLORS/CALLOUTS FLHRXS

SOLIDS

Vivid Black
Charcoal Denim
Olive Gold

PINSTRIPING

Med. Silver/Med. Silver

HARD CANDY CUSTOM™ COLORS¹

NEW Hard Candy Hot Rod Red Flake

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

¹ Limited availability. See your dealer for details and available colors.

Model shown in Domestic configuration.

