

2016 ULTRA LIMITED

FLHTK

Fully-loaded for Ultimate Touring Luxury



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, JPN

2016

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MODEL OVERVIEW



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The Ultra Limited motorcycle has more of everything touring riders have come to expect: rich Harley-Davidson styling, more long-haul comfort and convenience, and more function and performance. It's a step above the rest, on all the kilometers ahead.

NEW IN 2016

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

MODEL UNIQUE FEATURES

Style

- Batwing fairing with Splitstream vent
- Short windshield
- 49 mm telescopic front forks
- Streamlined, low-profile front fender
- Contrast Chrome Impeller Cast Aluminum wheels
- Dual front floating open rotors
- Standard bullet turn signals
- Convenient, intuitive inner fairing layout, gloss black
- Raised "stadium-style" gauges with lighted band
- Fairing lowers
- Sleek airbox with 103 insert
- Sleek saddlebags with chrome saddlebag support structure
- Sleek saddlebag guard
- Sleek Tour-Pak® case
- Tank and rear fender medallions
- Black powder-coated engine with chrome covers
- Chrome, 2-1-2 dual exhaust with tapered mufflers
- Blackwall tires

MODEL UNIQUE FEATURES *(continued)*

Fit

- One-piece, two-up Electra Glide® Comfort Stitch seat
- Shotgun seat with ample passenger room and comfort
- Ergonomically optimised backrest and armrest for greater comfort
- Saddlebag guard shaped for passenger comfort
- Full-length rider footboards with heel/toe shift levers
- Height-adjustable passenger footboards

Function

- Wind-tunnel tested Batwing fairing with Splitstream vent for reduced head buffeting
- Short windshield for reduced head buffeting
- Standard cruise control
- Reflex™ Linked Brakes with ABS¹
- Brembo® 4-piston front and rear calipers
- Daymaker™ LED headlight; Daymaker™ LED fog lamps
- 49 mm telescopic front forks for stiffer front end
- Easy-to-read gauges and large telltale indicators; display features odometer, trip A, trip B, range to empty, and gear indicator
- Ergonomic hand controls with intuitive design and tactile feel. Includes trigger switch for odometer, trip A, trip B, range to empty; info button for ambient temperature and oil pressure (information displayed in radio screen); hazard warning switch; two Joysticks that control all audio functions
- Standard heated handgrips with adjustable, six-setting heat control
- Boom!™ Box 6.5GT audio system with GPS and touchscreen²
 - AM/FM/WB receiver
 - CB radio³
- Jukebox media compartment with USB connection and One-Touch access door
- AM/FM/WB and CB antenna
- Power port in fairing
- One-Touch fuel door
- Saddlebags with One-Touch design latch

MODEL UNIQUE FEATURES *(continued)*

Function *(continued)*

- Two glove boxes inside fairing lowers with One-Touch access doors
- Tour-Pak® case with One-Touch latch and integrated lock, retractable lid tether, map and tool pouch, premium hinges, bass port rear speakers
- Premium integral Tour-Pak® luggage rack
- Tour-Pak® case and saddlebag luggage locks common with ignition key
- Premium Saddlebag Travel Bags
- Premium Tour-Pak® Travel Pak
- 12-volt, 15 amp power supply in Tour-Pak® case with spring-loaded cap
- Rear LED stop/turn/tail lights
- Standard battery charging harness
- CAN-based electrical system
- Standard Smart Security System⁴ with proximity based, hands-free security fob
- Electronic throttle control
- Dunlop® 180 mm multi-tread rear tire
- Air-adjustable full travel air ride rear suspension
- 22.7 L fuel tank for extended range
- Mid-frame air deflectors
- Adjustable fairing-mounted wind deflectors

Performance

- Rubber-mounted, Twin-Cooled 1690 cc High Output Twin Cam 103™ engine
- 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)
- Hydraulic clutch

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 Specific infotainment system features and configurations may vary by region and country.

³ CB prohibited by law in some countries.

⁴ North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

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MODEL SPECIFICATIONS¹



Specifications apply to all available markets unless noted.

DIMENSIONS	
Length	2600 mm (102.4 in.)
Overall Width	960 mm (37.8 in.)
Overall Height	1440 mm (56.7 in.)
Seat Height <i>(unladen)</i>	740 mm (29.1 in.)
Ground Clearance	135 mm (5.3 in.)
Rake <i>(steering head)</i>	26°
Fork Angle	29.25°
Trail	170 mm (6.7 in.)
Wheelbase	1625 mm (64 in.)
Tires <i>(Dunlop® Harley-Davidson® Series, bias blackwall front and rear):</i>	
• Front – D408F	BW 130/80B17 65H
• Rear – D407T	BW 180/65B16 81H
Fuel Capacity	22.7 L (6 gal.)
<i>(warning light at approximately 3.8 L)</i>	
Oil Capacity <i>(w/filter)</i>	3.8 L (4 qts.)
Transmission Capacity	.95 L (1 qt.)
Primary Chain Case Capacity	1.3 L (1.4 qts.)
Coolant Capacity	1.04 L (1.1 qt.)
Weight:	
• As Shipped	398 kg (877 lbs.)
• In Running Order	414 kg (913 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	0.132 m³ (4.7 cu. ft.)
ENGINE	
Engine	Twin-Cooled™ High Output Twin Cam 103™
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder
Bore x Stroke	98.4 mm x 111.1 mm (3.87 in. x 4.374 in.)
Displacement	1690 cc (103.1 cu. in.)
Compression Ratio	10:1
Fuel System ²	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Paper, washable
Lubrication System	Pressurised, dry-sump with oil cooler

DRIVETRAIN	
Primary Drive	Chain, 34/46 ratio
Final Drive	Belt, 32/68 ratio
Clutch	Hydraulically actuated, 9 plate wet, with high performance spring
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 telescopic
Rear Shocks	Air-adjustable
Wheels:	Contrast Chrome 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	32 mm, 4-piston fixed front and rear
• Rotor Type	Patented, fixed rotors
<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	76 mm (3 in.)
PERFORMANCE	
Engine Torque ³ :	
• HDI <i>(per EEC/95/1)</i>	138 Nm (101.8 ft-lb) @ 3750 RPM
Lean Angle <i>(per J1168):</i>	
• Right	31.9°
• Left	31.8°
Fuel Economy ³	5.6 L/100 km (42 mpg)
<i>(EPA urban/highway test)</i>	

ELECTRIC	
Battery <i>(per Battery Council International Rating)</i>	Sealed, maintenance-free, 12V, 28-amp/hour, 405 cca
Charging	Three-phase, 50-amp system <i>(585W @ 13V, 2000 RPM, 650W max power @ 13V)</i>
Starting	1.2 kW electric with solenoid shift starter motor engagement
<i>Lights (as per country regulation):</i>	
• Headlamp <i>(LED)</i> : 34-watt, 915 lumen low beam, 37-watt, 915 lumen high beam with switchable 20-watt, 1,220 lumen LED Fog Lamps. Total of 2,136 lumen output at low beam with fog lights.	
• Tail/Stop Lights	8W/28W
• Front Signal Lights	28W
• Indicator Lamps: High beam, running lights, front fender running lights, directional light bar, low oil pressure, engine diagnostics, cruise control, speakers, accessory, security system ⁶ , 6-speed, low fuel warning, ABS	
• Auxiliary Lamps <i>(except where prohibited by law)</i>	Two LED @ 20W each
Electric Power Outlet	Electric power accessory port in fairing and Tour-Pak®
GPS System	Boom!™ Box 6.5 GT audio system with GPS and touchscreen
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.

2016 ULTRA LIMITED FLHTK COLORS/CALLOUTS



SOLIDS	PINSTRIPING
Vivid Black	Med. Silver
Black Quartz	Pale Gold

TWO-TONES	PINSTRIPING
Amber Whiskey/Vivid Black	Med. Red
Deep Jade Pearl/Vivid Black <i>(shown)</i>	Lt. Green
NEW Billet Silver/Vivid Black	Burgundy
NEW Mysterious Red Sunglo/Velocity Red Sunglo	Med. Red

CUSTOM COLORS ¹	PINSTRIPING
NEW Purple Fire/Blackberry Smoke	Proper Purple <i>(inside)</i> , Charcoal Metallic <i>(outside)</i>
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.

