

# CVO™ ROAD GLIDE® ULTRA

FLTRUSE

Shown in Stardust Silver and Palladium Silver



**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, MEX, ENG, HDI, JPN

# CVO™ ROAD GLIDE® ULTRA

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## MODEL OVERVIEW



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The CVO™ Road Glide® Ultra motorcycle gives hardcore high-milers unsurpassed luxury, comfort and style. It flaunts all the best features from the Project RUSHMORE CVO™ Limited motorcycle, then raises the bar with added world-class aero comfort, enhanced ergonomics, and advanced reflective optic LED lighting. One look at its long list of premium features and it's easy to see that this is the standard in long-distance touring.

### NEW IN 2016

- Tire Pressure Monitoring System
- LED front and rear turn signals
- Integrated fob combines security and power locking
- Reduced-width primary housing and derby cover
- Color-matched Tour-Pak® case lightning bezels

### MODEL UNIQUE FEATURES

#### Style

- New high-end custom paint scheme with hand-applied graphics and pin-striping in three color combinations
  - Ruby Red and Palladium Silver
  - Stardust Silver and Palladium Silver
  - Charcoal Slate and Carbon Dust
- New color-matched Tour-Pak® case lighting bezel
- Newly styled rider and passenger seat covers
- Airflow Collection: Rider footboard insert and rider pan, Passenger footboard inserts, Shifter pegs, Brake pedal and cover, Highway pegs, Heated hand grips with rubber inserts, Shifter lever arms
- New TPMS Mirror Chrome Custom Slicer wheels with easy-access, 90-degree valve stem
- Streamlined outer fairing
- Dual front floating open rotors
- Color-matched inner fairing with diamond-cut fairing cap
- Color-matched rear fender filler strips, saddlebag hinges
- Streamlined, low-profile front fender
- Chrome windshield trim
- Chrome billet timer cover and muffler end caps (chrome with black spears)
- Chrome voltage regulator, dipstick, internally wired handlebar, oil filter mount with internal thermostat, mirrors
- Chrome tank console with custom CB pod and carbon fiber CB pod insert

### MODEL UNIQUE FEATURES *(continued)*

#### Fit

- New reconfigured foam in seat nose for improved comfort
- Saddlebag guard shaped for passenger comfort
- Shotgun seat with ample passenger room and comfort
- Ergonomically optimised backrest and armrest for greater comfort
- Full-length rider footboards and chrome supports
- Chrome billet-style extended heel/toe shift lever
- Height-adjustable passenger footboards with chrome supports

#### Function

- Triple Splitstream vent with open-close feature
- 342.9 mm custom windshield
- Engine guard air deflectors
- Dual Daymaker™ Reflector LED headlamp
- LED-lit hand control switches, backlit dash switch
- Dual-control heated seat with perforated leather inserts and heated handgrips with adjustable six-setting heat control
- Mid-frame air deflectors
- Saddlebags with chrome One-Touch design latch
- Tour-Pak® case with One-Touch latch and integrated lock, retractable lid tether, map and tool pouch, premium hinges, bass port rear speakers. Also features: 12-volt, 15 amp power supply with spring-loaded cap, Premium integral Tour-Pak® luggage rack, CVO™ Carryout Tour-Pak® and saddlebag liners, Power Locking System
- Rear LED stop/turn/tail lights on Tour-Pak® case
- Reflex™ Linked Brakes with ABS<sup>1</sup> featuring Brembo® 4-piston front and rear calipers with CVO™-specific caliper inserts
- 49 mm telescopic front forks for stiffer front end
- Inner fairing dual storage compartments; fairing lowers
- Jukebox media compartment with USB connection
- Boom!™ Box 6.5GT audio system with GPS and touchscreen with 3-D landmarks, 3-D buildings, 3 map updates/5 years, XM with traffic/weather (free for 3 months)<sup>2</sup>
- LED backlit hand control switches, backlit dash switch

### MODEL UNIQUE FEATURES *(continued)*

#### Function *(continued)*

- Ergonomic hand controls with intuitive design and improved tactile feel. Includes odometer trigger switch, trip A, trip B, clock, range to empty; info button; hazard warning switch; two Joysticks that control all audio functions
- Large, easy-to-read gauges, wide numbers, large telltale indicators
- Electronic throttle control featuring electronic cruise control with set, resume, accelerate and decelerate
- Dunlop® 180 mm “multi-tread” rear tire
- Air-adjustable full travel air ride rear suspension
- 22.7 L fuel tank for extended range
- Power port in fairing
- Keyless ignition
- Power Locks
- H-D® Factory Security System<sup>3</sup> with siren

#### Performance

- 1801 cc, Rubber-mounted, Twin-Cooled™ Twin Cam 110™ engine with Automatic Compression Release (ACR)
- Electronic Sequential Port Fuel Injection (ESPFI) with heated O2 sensors
- 6-Speed Cruise Drive® transmission with Isolated Drive System (IDS) for smooth power delivery
- Hydraulic clutch
- Ventilator Intake with carbon fiber, Screamin' Eagle® 110 insert and rain sock
- Rider-initiated Engine Idle Temperature Management Strategy (EITMS)
- Chrome dual exhaust with 101.6 mm touring mufflers and touring muffler shields

### ACCESSORIES

- Indoor/outdoor motorcycle storage cover

<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 CVO™ models.

<sup>2</sup> Specific infotainment system features and configurations may vary by region and country.

<sup>3</sup> 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	<b>2600 mm</b> (102.4 in.)
Overall Width	<b>1080 mm</b> (42.5 in.)
Overall Height	<b>1430 mm</b> (56.3 in.)
Seat Height <i>(unladen)</i>	<b>755 mm</b> (29.7 in.)
Ground Clearance	<b>120 mm</b> (4.7 in.)
Rake <i>(steering head)</i>	<b>26°</b>
Fork Angle	<b>29.3°</b>
Trail	<b>170 mm</b> (6.7 in.)
Wheelbase	<b>1625 mm</b> (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	<b>22.7 L</b> (6 gal.) <i>(warning light at approximately 3.8 L)</i>
Oil Capacity <i>(w/filter)</i>	<b>3.8 L</b> (4 qts.)
Transmission Capacity	<b>.95 L</b> (1 qt.)
Primary Chain Case Capacity	<b>1.3 qts.</b> (1.4 qts.)
Weight:	
• As Shipped	<b>422 kg</b> (930 lbs.)
• In Running Order	<b>439 kg</b> (968 lbs.)
• Gross Vehicle Weight Rating	<b>617 kg</b> (1360 lbs.)
• Gross Axle Weight Rating:	
• Front	<b>227 kg</b> (500 lbs.)
• Rear	<b>420 kg</b> (927 lbs.)
• Luggage Capacity:	
• Volume	<b>0.132 m³</b> (4.7 cu. ft.)
ENGINE	
Engine	Twin-Cooled™ Twin Cam 110™
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder
Bore x Stroke	<b>101.6 mm x 111.1 mm</b> (4 in. x 4.374 in.)
Displacement	<b>1801 cc</b> (110 cu. in.)
Compression Ratio	<b>9.2:1</b>
Fuel System²	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Ventilator Intake with chrome cover, fiberglass media, washable exposed element with rain sock
Lubrication System	Pressurised, dry-sump

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 <i>(overall):</i>	
• 1st	<b>9.593</b>
• 2nd	<b>6.65</b>
• 3rd	<b>4.938</b>
• 4th	<b>4</b>
• 5th	<b>3.407</b>
• 6th	<b>2.875</b>
CHASSIS	
Frame	Mild steel; tubular frame, two-piece stamped and welded backbone; cast and forged junctions; twin down tubes; 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, triple-circuit damping
Rear Shocks	Air-adjustable full travel air ride rear suspension
Wheels:	
• Front	<b>17 in. x 3 in.</b> (432 mm x 76 mm)
• Rear	<b>16 in. x 5 in.</b> (406 mm x 127 mm)
Brakes:	
• Caliper Type	32 mm, 4-piston fixed front and rear
• Rotor Type	Dual floating rotors <i>(front)</i> , fixed rotor <i>(rear)</i>
• Anti-lock Braking System	
Suspension Travel:	
• Front Wheel	<b>117 mm</b> (4.6 in.)
• Rear Wheel	<b>76 mm</b> (3 in.)
PERFORMANCE	
Engine Torque:	
• HDI <i>(per EEC/95/1)</i>	<b>156 Nm</b> (115.1 ft-lb) @ <b>3750 RPM</b>
Lean Angle <i>(per J1168):</i>	
• Right	<b>31.9°</b>
• Left	<b>31.8°</b>
Fuel Economy³	<b>5.7 L/100 km</b> (41 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, 53-amp system <i>(617W @ 13V, 2000 RPM, 690W max power @ 13V)</i>
Starting	1.2 kW electric with solenoid shift starter motor engagement
Lights <i>(as per country regulation):</i>	
• Headlamp <i>(LED)</i>	45-watt, 1060 lumen low beam, 60-watt, 1560 lumen high beam
• Tail/Stop Lights	8W/28W
• Indicator Lamps	High beam, neutral, running lights, turn signals, low oil pressure, engine diagnostics, cruise control, speakers, accessory, security system⁴, 6-speed, low fuel warning, ABS, Tire Pressure Monitoring System
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 Interval⁵	First <b>1600 km</b> (1000 miles), every <b>8000 km</b> (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.



# CVO™ ROAD GLIDE® ULTRA

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COLORS



## CUSTOM COLORS<sup>1</sup>

**NEW** Ruby Red/Palladium Silver

**NEW** Stardust Silver/Palladium Silver

**NEW** Charcoal Slate/Carbon Dust

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

**Models shown in Domestic configuration.**



Ruby Red/Palladium Silver



Charcoal Slate/Carbon Dust

