2016 SWITCHBACK™

FLD

Cruising and Touring – Two Bikes in One with No Compromises

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, APC, AUS, MEX, ENG, JPN

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MODEL OVERVIEW

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The Switchback™ motorcycle gives riders two bikes in one incredible lightweight package. It's a combined custom street cruiser and a competent touring bike, Versatility begins with a quick-detach windshield and detachable, locking, hard saddlebags—throw them on for highway comfort; take them off for boulevard style.

NEW IN 2016

- Paint color option

MODEL UNIQUE FEATURES

Style

- Black powder-coated engine with polished treatment covers
- 2-into-1 chrome exhaust with straight-cut muffler
- Black, 5-Spoke Cast Aluminum wheels with highlighted rims, 18-inch front, 17-inch rear
- Full coverage front and rear fenders
- Chrome, retro-style headlamp nacelle
- Chrome fork covers
- Chrome tank console with 127 mm speedometer, integrated ignition switch and trim strip
- Black battery box cover with clean styling

MODEL UNIQUE FEATURES *(continued)*

Fit

- Stainless steel, mini ape-hanger handlebar
- Full-length rider footboards with foot controls; standard passenger footpegs
- One-piece, two-up seat with custom stitching
- 695 mm seat height

Function

- H-D® Detachables™, injection-molded, locking, rigid saddlebags
  - Hinge and latching system allow full saddlebag access without intrusion
  - Color-matched to vehicle
  - Styled specifically for clean look when detached
  - Saddlebag locks common with ignition key
- H-D® Detachables™ windshield
- 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
- Start, engine cutoff, left/right turn signals, horn, hi/low beam with flash-to-pass hand controls
- Self-canceling turn signal controls with integrated hazard warning
- Barrel key, tank console-counted ignition; fork lock common with ignition key
- 17.8 L fuel tank
- Advanced suspension for ride comfort and competent handling
  - 41.3 mm front forks with cartridge valve dampening
  - Preload adjustable rear shocks with oil emulsion damping control and retro cigar-tube covers

MODEL UNIQUE FEATURES *(continued)*

Performance

- Rubber-mounted, Air-cooled, 1690 cc Twin Cam 103™ engine
- 6-Speed Cruise Drive® transmission
- Electronic Sequential Port Fuel Injection (ESPFI) with heated O2 sensors
- Anti-lock Braking System (ABS)[1] standard

AVAILABLE OPTIONS

- Smart Security System[2] with proximity-based, hands-free security fob (factory installed option)
- Engine Idle Temperature Management Strategy (EITMS) (dealer-activated 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.

[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	**2360 mm** (92.9 in.)
Overall Width	**930 mm** (36.6 in.)
Overall Height	**1385 mm** (54.5 in.)
Seat Height *(unladen)*	**695 mm** (27.4 in.)
Ground Clearance	**110 mm** (4.3 in.)
Rake *(steering head)*	29.9°
Fork Angle	28.9°
Trail	**148 mm** (5.8 in.)
Wheelbase	**1595 mm** (62.8 in.)
Tires *(Dunlop® Harley-Davidson® Series, bias blackwall front and rear)*:	
• Front – D402F	130/70B18 63H
• Rear – D401	160/70B17 73H
Fuel Capacity *(warning light at approximately 3.4 L)*	**17.8 L** (4.7 gal.)
Oil Capacity *(w/filter)*	**2.8 L** (3 qts.)
Transmission Capacity	**.95 L** (1 qt.)
Primary Chain Case Capacity	**.95 L** (1 qt.)
Weight:	
• As Shipped	**319 kg** (706 lbs.)
• In Running Order	**333 kg** (734 lbs.)
• Gross Vehicle Weight Rating	**530 kg** (1170 lbs.)
• Gross Axle Weight Rating:	
• Front	**206 kg** (455 lbs.)
• Rear	**360 kg** (794 lbs.)

ENGINE

Engine	Air-cooled, 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	9.6:1
Fuel System[2]	Electronic Sequential Port Fuel Injection (ESPFI)
Air Cleaner	Fiberglass media, 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®
Gear Ratios *(overall)*:	
• 1st	**9.311**
• 2nd	**6.454**
• 3rd	**4.793**
• 4th	**3.882**
• 5th	**3.307**
• 6th	**2.79**

CHASSIS

Frame	Mild steel, tubular frame; rectangular section backbone; stamped, cast, and forged junctions; forged fender supports; MIG welded
Swingarm	Mild steel, rectangular tube sections backbone; stamped junctions; MIG welded
Front Forks	41.3 mm fork with 20 mm cartridge damping and triple rate spring
Rear Shocks	Nitrogen charged 36 mm monotube damper with 5 step preload adjustable dual rate spring
Wheels[3]:	Black 5-Spoke Cast Aluminum
• Front	**18 in. x 3.5 in.** (457 mm x 89 mm)
• Rear	**17 in. x 4.5 in.** (432 mm x 114 mm)
Brakes:	
• Caliper Type	4-piston fixed front, and 2-piston torque-free floating rear
• Rotor Type *(diameter x width)*:	Patented, uniform expansion rotors (floating, front only)
• Front *(floating)*	**300 mm x 5.1 mm** (11.8 in. x 0.2 in.)
• Rear	**292 mm x 5.1 mm** (11.5 in. x 0.2 in.)
• Anti-lock Braking System	Standard
Suspension Travel:	
• Front Wheel	**98 mm** (3.9 in.)
• Rear Wheel	**54 mm** (2.1 in.)

PERFORMANCE

Engine Torque[4]:	
• HDI *(per EEC/95/1)*	**126 Nm** (92.9 ft-lb) **@ 3500 RPM**
Lean Angle *(per J1168)*:	
• Right	29°
• Left	29°
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, 19-amp/hour, 270 cca
Charging	Three-phase, 40-amp system *(493W @ 13.5V, 2000 RPM, 540W max power @ 13.5V)*
Starting	1.2kW electric with solenoid shift starter motor engagement
Lights *(as per country regulation)*:	
• Headlamp *(Quartz Halogen)*	55-watt low beam, 60-watt high beam
• Tail/Stop Lights	5W/21W
• Indicator Lamps[6]	High beam, neutral, low oil pressure, engine diagnostics, turn signals, low fuel warning, ABS *(optional)*, low battery, body controller diagnostics, security system[6] *(HDI only)*

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

Vivid Black
Deep Jade Pearl
NEW **Velocity Red Sunglo** *(shown)*

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

Model shown in Domestic configuration.



