

# 2016 FREEWHEELER® FLRT

Custom Styling on Three Wheels



**Model shown in Domestic configuration.**

The vehicle models, configurations, options, and accessories pictured or otherwise described in this reference guide may not be available in all countries.



**Markets:** MEX

# 2016

## FREEWHEELER®

### FLRT

#### MODEL OVERVIEW



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The Freewheeler® trike represents iconic Harley-Davidson hotrod-inspired styling and attitude that just happens to be on three wheels. Visually and physically smaller than the Tri Glide® Ultra, its rear section is pulled forward making the overall vehicle length 76.2 mm shorter. The Freewheeler® offers a confidence-inspiring stance and a low-profile trunk that adds to its hotrod style.

#### NEW IN 2016

- Reduced-width primary housing and derby cover
- Paint color options

#### MODEL UNIQUE FEATURES

##### Style

- 7-piece design nacelle tucked tight against the frame and forks; accommodates windshield mounting system
- Shortened, slash-down, chrome-finish mufflers
- Bullet front turn signals
- 49 mm telescopic front forks
- Stylized floating front brake rotor
- Small and sleek front fender
- Unique console design and speedo face
- Black powder-coated engine with chrome covers
- Tank medallion
- Smaller rear body structure and shorter overall vehicle length
- Bobtail rear fenders
- Cleanly integrated extended trunk system

#### MODEL UNIQUE FEATURES *(continued)*

##### Fit

- One-piece, two-up reduced reach Comfort Stitch seat
- 30.48 cm mini-ape handlebar
- Full-length rider footboards with heel/toe shift levers
- Passenger grab rails with wide-diameter grip
- Height-adjustable passenger footboards

##### Function

- Unique trunk system opens right to left; trunk lock common with ignition key
- Hydraulically-linked brake system
- Foot-operated parking brake
- 49 mm telescopic front forks for stiffer front end
- Ergonomic hand controls with intuitive design/improved tactile feel. Includes odometer trigger switch; trip A, trip B, clock, and range to empty
- Start, engine cutoff, left/right turn signals, horn, hi/low beam, cruise control hand controls
- Easy-to-read gauges and large telltale indicators
- Standard electric reverse with handlebar-mounted control and LED indicator light
- Electronic throttle control
- Electronic cruise control
- Dunlop® Harley-Davidson® Series, bias blackwall front and radial blackwall rear
- Air-adjustable rear shocks
- 22.7 L fuel tank for extended range
- Barrel key; steering head-mounted ignition; fork lock common with ignition key

#### MODEL UNIQUE FEATURES *(continued)*

##### Performance

- Rubber-mounted, Air-cooled 1690 cc High Output Twin Cam 103™ engine
- High-flow airbox
- Hydraulic Assist & Slip clutch
- 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)

#### AVAILABLE OPTIONS

- Smart Security System<sup>1</sup> with proximity-based, hands-free security fob (factory installed option)

<sup>1</sup> North America security system includes immobilizer; outside North America the security system includes immobilizer and siren.

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### FLRT

#### MODEL SPECIFICATIONS¹



Specifications apply to all available markets unless noted.

DIMENSIONS	
Length	<b>2620 mm</b> (103.1 in.)
Overall Width	<b>1395 mm</b> (54.9 in.)
Overall Height	<b>1185 mm</b> (46.7 in.)
Seat Height <i>(unladen)</i>	<b>700 mm</b> (27.5 in.)
Ground Clearance	<b>124 mm</b> (4.9 in.)
Rake <i>(steering head)</i>	26°
Fork Angle	32.2°
Trail	<b>101 mm</b> (3.96 in.)
Wheelbase	<b>1675 mm</b> (66 in.)
Tires <i>(Dunlop® Harley-Davidson® Series, bias blackwall front and radial blackwall rear):</i>	
• Front – D408F	MT 130/60B19 M/C 61H
• Rear – Signature	P205/65R15
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	<b>1.3 L</b> (1.4 qts.)
Case Capacity	
Weight:	
• As Shipped	<b>474 kg</b> (1045 lbs.)
• In Running Order	<b>491 kg</b> (1082 lbs.)
• Gross Vehicle Weight Rating	<b>771 kg</b> (1700 lbs.)
• Gross Axle Weight Rating:	
• Front	<b>227 kg</b> (500 lbs.)
• Rear	<b>544 kg</b> (1200 lbs.)
• Luggage Capacity:	
• Volume	<b>0.06 m³</b> (2 cu. ft.)
ENGINE	
Engine	Air-cooled, High Output Twin Cam 103™ with integrated oil cooler
Valves	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder
Bore x Stroke	<b>98.4 mm x 111.1 mm</b> (3.87 in. x 4.374 in.)
Displacement	<b>1690 cc</b> (103.1 cu. in.)
Compression Ratio	9.7:1
Fuel System²	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, 30/70 ratio
Clutch	Hydraulically actuated multi-plate, wet Assist & Slip
Transmission	6-speed Cruise Drive®
Gear Ratios <i>(overall):</i>	
• 1st	<b>10.534</b>
• 2nd	<b>7.302</b>
• 3rd	<b>5.423</b>
• 4th	<b>4.392</b>
• 5th	<b>3.741</b>
• 6th	<b>3.157</b>
CHASSIS	
Frame	Mild steel, square-section backbone with twin downtubes
Swingarm	Mild steel, rectangular tube sections with plate junctions; MIG welded
Front Forks	49 mm telescopic
Rear Shocks	Air-adjustable
Wheels:	Enforcer Cast Aluminum
• Front	<b>19 in. x 3.5 in.</b> (483 mm x 89 mm)
• Rear	<b>15 in. x 5.5 in.</b> (381 mm x 140 mm)
Brakes:	
• Caliper Type	6 Piston fixed front with 4-31.75 mm front pistons and 2-25.4 mm linked rear pistons, 31.75 mm single piston floating rear
• Rotor Type <i>(diameter x width):</i>	
• Front <i>(dual)</i>	<b>300 mm x 5.1 mm</b> (11.81 in. x 0.2 in.)
• Rear	<b>270.8 mm x 6.4 mm</b> (10.66 in. x 0.25 in.)
Suspension Travel:	
• Front Wheel	<b>117 mm</b> (4.6 in.)
• Rear Wheel	<b>76 mm</b> (3 in.)
Parking Brake	Foot actuated dual parking brake
PERFORMANCE	
Engine Torque⁴ <i>(per J1349):</i>	<b>142 Nm</b> (104.7 ft-lb) @ <b>3250 RPM</b>
Fuel Economy⁵ <i>(EPA urban/highway test)</i>	<b>6 L/100 km</b> (39 mpg)

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, 65W max power @ 13V)</i>
Starting	1.2 kW electric with solenoid shift starter motor engagement
Lights <i>(as per country regulation):</i>	
• Headlamp <i>(Quartz Halogen)</i>	55-watt low beam, 60-watt high beam
• Tail/Stop Lights	Two @ 8W/28W
• Front Signal Lights	8W/28W
• Indicator Lamps	High beam, running lights, battery, neutral, low oil pressure, engine diagnostics, cruise control, security system⁶ <i>(optional)</i> , gear indicator, low fuel warning, reverse, park brake, miles to empty
Reverse Gear	Electric reverse actuated by handlebar-mounted hand controls
WARRANTY	
Warranty	24 months <i>(unlimited mileage)</i>
Service Interval⁷	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.



# 2016 FREEWHEELER® FLRT COLORS/CALLOUTS



## SOLIDS

Vivid Black

Black Quartz

**NEW** Velocity Red Sunglo *(shown)*

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

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

**Model shown in Domestic configuration.**

