



## SPECIFICATIONS

## KL650E8F

Engine Type	4-Stroke, Liquid-Cooled, DOHC, 4-Valve, Single
Displacement	651 cc
Bore & Stroke	100 x 83 mm
Compression Ratio	N/A
Carburetor	Keihin CVK40 w/TPS
Ignition	TCBI
Transmission	5-Speed
Rake/Trail	28°/4.4 in.
Front Wheel Travel	9.1 in.
Rear Wheel Travel	9.1 in.
Front Tire Size	90/90-21
Rear Tire Size	130/80-17
Front Suspension	41mm Leading Axle Hydraulic Telescopic Fork
Rear Suspension	Uni-Trak with 5-Way Adjustable Preload and Stepless Rebound Damping
Wheelbase	N/A
Front Brake Type	280mm Petal Disc
Rear Brake Type	240mm Petal Disc
Fuel Tank Capacity	6.1 gal.
Ground Clearance	N/A
Seat Height	N/A
Dry Weight	N/A
Colors (3)	Galaxy Silver/Blue 21 Galaxy Silver/Sunbeam Red Galaxy Silver/Candy Lime Green
Warranty	12 months
Good Times Protection Plan	12, 24, 36 or 48 months

(Specifications subject to change without notice.)  
Ask about Kawasaki's Team Green™ amateur rider support program.

(KP) = See Kaw-Pedia section for more details.

\* = Changes from previous model year.

*Long the choice for many long-distance adventure-touring enthusiasts, the KLR650 gets a thorough revision that boosts engine power, improves handling and increases rider comfort to make it an even more effective touring-hungry dual-purpose machine. Enhancements to the big single-cylinder engine make it even easier to negotiate city traffic, tight dirt roads or cruise out on the open road, while the new long travel suspension offers increased road-going performance and more rigidity when the pavement ends.*

**NEW for 2008****Increased Engine Performance**

- ★ *New intake porting boosts low-end torque.*
- ★ *Revised cam timing contributes to increased high-rpm performance.*
- ★ *New one-piece exhaust pipe has smoother bends for greater efficiency throughout the powerband.*
- ★ *Fully transistorized ignition with revised mapping and throttle position sensor replaces analog CDI for increased performance.*
- ★ *New high-capacity Denso radiator with tightly spaced cores and a special fin design has a greater cooling area and increases cooling*

efficiency by 20 percent. Cooling is further enhanced with a thin, lightweight fan.

### Better Handling

- ★ New 41mm front fork is 3mm larger for increased rigidity and features all-new settings for better performance.
- ★ Recalibrated rear Uni-Trak suspension linkage complements the new stiffer front fork.
- ★ New D-section swingarm enhances traction and now has forged axle holders that are lightweight and rigid.
- ★ Larger front and rear spokes help stiffen the wheels to enhance handling and steering response.
- ★ New petal-design disc brakes reduce unsprung weight, improve cooling and help clean the brake pads for more efficient braking. Larger front disc and new rear caliper increase brake performance.

### More Rider Comfort

- ★ All-new bodywork features a larger cowling for increased wind protection.
- ★ Firmer seat offers greater comfort on long-distance rides.

### Improved Equipment

- ★ Larger rear rack offers more carrying capacity.
- ★ Redesigned tail section is slimmer so mounting accessory saddlebags is easier.
- ★ New dual-bulb headlight provides more light while adding more style.
- ★ New high-mounted turn signals enhance the appearance while making the KLR650 more visible to other motorists.
- ★ New instrument panel is easy to read and now mounts to the frame to help lighten steering.
- ★ Generator output increased from 14.5 to 17 amps to power grip heaters and other accessories.

### Key Features:

- ◆ On/Off-Road Versatility
- ◆ Powerful, Double-Balanced Engine
- ◆ Large 6.1-Gallon Fuel Capacity for Extended Range
- ◆ The Choice of Many Adventure Tourers

### ◆ 651cc 4-Stroke Single Cylinder Engine

- A compact, smooth, reliable and proven design.
- Special tuning to improve low and top-end performance.
- Light, silent cam chain reduces engine noise.

### Liquid Cooling

- Maintains consistent running temperatures so less power is lost to heat.
- Lower operating temperatures help extend engine life.

- Automatic fan keeps things cool even in traffic.
- Includes a temperature gauge.

### 4-Valve Cylinder Head<sup>(KP)</sup>

- Better breathing for more power at high rpm.
- Compact combustion chamber for increased compression ratio without detonation on today's gasolines.
- Provides maximum valve area for optimum flow.
- Boosts low end torque.

### ◆ Double Engine Balancer<sup>(KP)</sup>

- Engine runs smoothly from idle to redline for rider comfort and less fatigue on long rides.

### Kawasaki Automatic Compression Release (KACR)<sup>(KP)</sup>

- Automatically lifts exhaust valve at cranking rpm to make starting easy and eliminate the need for a manual compression release.

### 40mm Semi-Flat Slide CVK Carburetor with TPS

- Precisely meters fuel for good economy.
- Provides quick throttle response.

### 5-Speed Transmission

- Designed to handle the engine's unique power characteristics.
- The engine's broad torque only requires five speeds for great acceleration and relaxed highway cruising.

### Handlebar-Mounted Choke

- Convenient location makes starting and warm-up easier.

### Long Travel Suspension

- Designed to provide a good compromise between the requirements of on and off-road riding.

### Universal Tires

- Provide good traction on and off the road.

### Semi-Double Cradle Frame

- Made of hi-tech, round section, high tensile steel.

### Engine Guard

- Helps protect the engine from rocks and other debris.

### Detachable Rear Sub-Frame

- Simplifies maintenance by providing better access to the rear shock, air box and carb.

### Uni-Trak<sup>®</sup> Rear Suspension<sup>(KP)</sup>

- Lowers the center of gravity for better handling.
- Progressive rate provides a smoother, more controlled ride.

- Features a 5-way preload shock absorber with stepless rebound damping. You can tune the ride to match the load and riding conditions.

**Front and Rear Petal Disc Brakes**

- Powerful and controllable, produce quick, sure stops.

**Electric Starter**

- For easy and convenient starting.

**Lighting and U.S. Forest Service-Approved Spark Arrester**

- Street-legal lighting with turn indicators so you don't have to be home by dark.
- Allows access to designated public riding areas and helps prevent wildfires.

**Authentic Kawasaki Accessories**

- See the current applicable Kawasaki accessory catalog or [www.kawasaki.com](http://www.kawasaki.com) for all of the latest Authentic Kawasaki Accessories available for this model.