

### Specs & Dimensions

Fuel, 5.8 US gallons, 22 liters  
Oil, ~2.6 quarts, 2.5 liters  
Coolant, 1.6 quarts, 1.55 liters  
50/50 mix of distilled water & ethylene glycol (non-silicate aluminum safe)  
Weight 386lbs dry, 432lbs wet

### Spark Plug

NGK DPR8EA-9 (regular)  
NGK DPR8EIX-9 (iridium)  
ND X24EPR-U9  
Champion 809(RA6HC)  
Gap= .031-.035" (.8-.9mm)  
Torque 10FT-lbs (14N-m)

### Oil

API SG, SH, SJ, SL, SM with JASO MA, MA1, or MA2  
10W40 in cool weather  
20W50 for warmer use  
Motorcycle specific oil or Shell Rotella, Castrol GTX, Mobil-1, Delvac 1300. Avoid friction reducers (Energy Conserving) which may cause clutch slipping problems Interval= 1000-3000 miles  
Drain Plug= M12 X 1.5

### Valve Specs

Intake 004-.008" (0.10-0.20 mm)  
Exhaust .006-.010" (0.15-0.25 mm)  
Shim over bucket style,

29.0 mm (NOT 29.5 mm!)  
Can subst. Yama/BMW

### OIL Level Check

With bike on level ground, Oil level should be at the very top of the sight glass (right side engine sump)

### OIL FILTER

Kawa 16099-004  
Napa 4951  
Fram CH6070  
WIX 24951  
Emgo 10-30000  
K&N KN123  
HifloFiltro HF123

### Torque Values

Engine cover bolts .. 781NCH-bs  
Engine mount 8mm .. 18 ft-lbs  
Engine mount 10mm .. 33 ft-lbs  
Swingarm, shock lower .. 65 ft-lbs  
Swingarm upper .. 44 ft-lbs  
Triple clamps pinch bolts .. 15 ft-lbs  
Handlebar clamps .. 18 ft-lbs  
Sparkplug .. 10 ft-lbs  
Front Axle.. 65 ft-lbs  
FA Clamp.. 15 ft-lbs  
Rear axle .. 72 ft-lbs  
CS sprocket new style .. 72 ft-lbs  
Rear sprocket nuts .. 24 ft-lbs  
Subframe .. 33 ft-lbs  
Magneto .. 146 ft-lbs  
Valve cover .. .69 INCH-lbs  
Cam caps .. 104 INCH-lbs  
Doo Adjust 78 INCH-lbs  
Peg Bolts 18 ft-lbs  
Drain Plug, Don't exceed 17ft-lbs, Case is easy to strip.

### Drive Chain

Popular replacements O-Ring or X-Ring chains by DID, RK, Tsubaki or Bikemaster. Can use either press link or master link chain.  
Slack=2 in. midway under swing arm  
Sprockets: std=15T counter shaft and 43T Rear

### Battery

12V, 14AH  
Yuasa YB14L-A2  
Or Equiv.

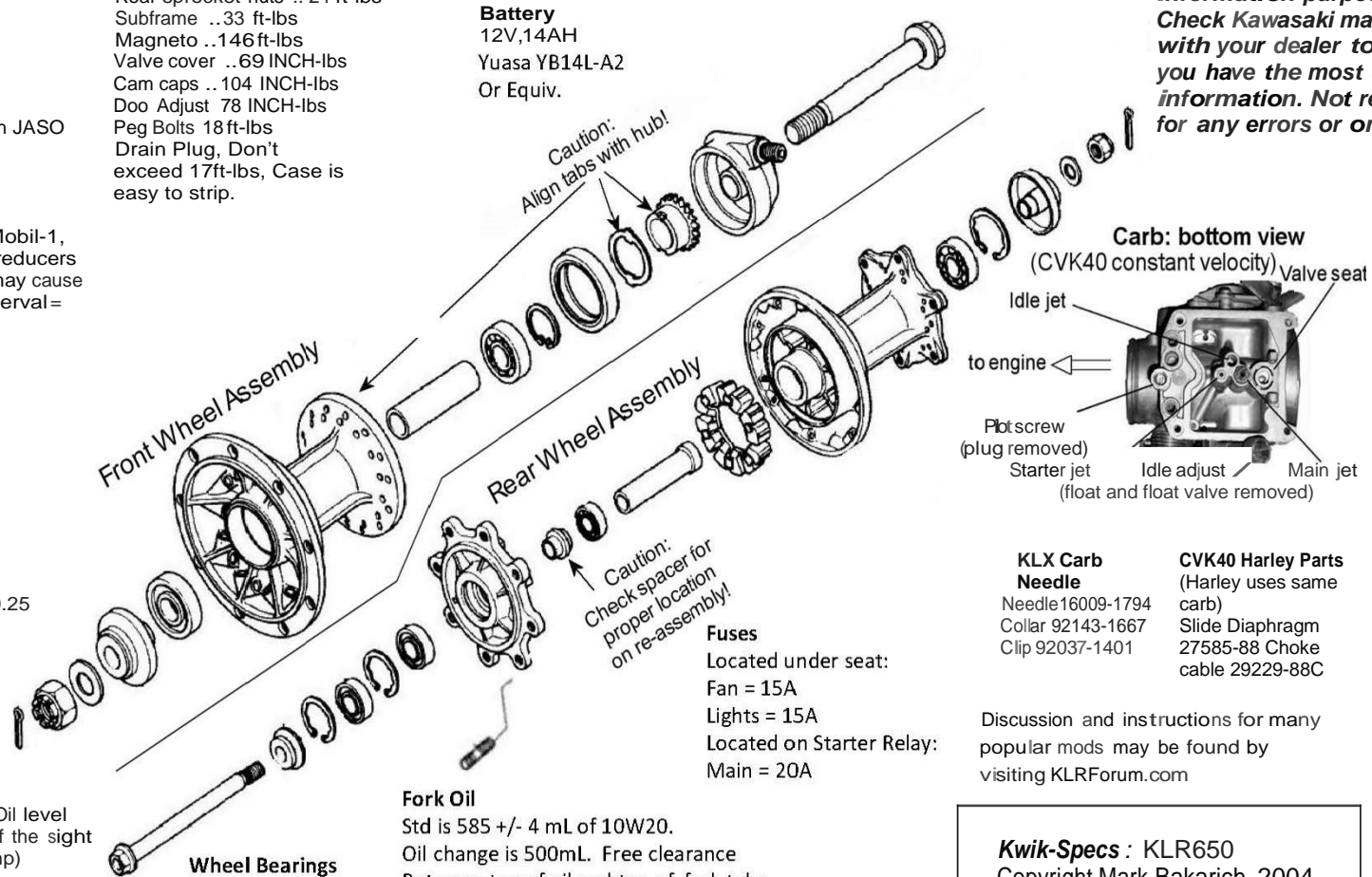
### Bulbs

Headlight= H7 X2 SSW  
Tail/Stop= 1157  
Turn Signals= PY21W  
Amber  
Instruments= 194 (1.7W X 5, 3.4W X 1)  
License plate RSW

### Balancer Lever Adjustment (doohickey)

1. Start with engine warmed up.
2. Remove rubber plug and loosen adjuster bolt 1 Turn CCW.
3. Retighten bolt then loosen 1/4 turn CCW.
4. Gently tap on bolt or case w/plastic mallet.
5. Retighten adjuster bolt to 78 INCH-lbs, and replace rubber plug.

**Disclaimer: Data provided for information purposes only. Check Kawasaki manuals or with your dealer to be sure you have the most accurate information. Not responsible for any errors or omissions.**



**Wheel Bearings**  
FR Left #6202

FR Right #6203  
RR Left # 6004  
RR Middle #6003  
RR Right #6204

### Fork Oil

Std is 585 +/- 4 mL of 10W20.  
Oil change is 500mL. Free clearance  
Between top of oil and top of fork tube  
Is 135 +/- 2mm w/springs out and forks  
Fully compressed. Recommended weights  
- 10wt on-road (15wt for heavy loads)  
- 7.5wt off-road (10wt for heavy loads)  
- Can use ATF if fork oil not available.

### Fuses

Located under seat:  
Fan = 15A  
Lights = 15A  
Located on Starter Relay:  
Main = 20A

### KLX Carb Needle

Needle 16009-1794  
Collar 92143-1667  
Clip 92037-1401

### CVK40 Harley Parts

(Harley uses same carb)  
Slide Diaphragm 27585-88  
Choke cable 29229-88C

Discussion and instructions for many popular mods may be found by visiting [KLRForum.com](http://KLRForum.com)

**Kwik-Specs** : KLR650  
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Updated by Tom Schmitz  
for Gen 2 (3/18/16)