1985 FXRS Low Glide

Riders call it the **“RS”**

Facts as of Oct 30, 2026. Built from the FXR Archive database. General facts for the 1985 FXRS, not any one bike.

ENGINE Evolution, 80 cubic inches (1340)	**GEARBOX** 5-speed	**FINAL DRIVE** Belt
CHARGING 22 amps	**VIN MODEL CODE** EB	**WHEELBASE** 63.13 in
DRY WEIGHT, AS SHIPPED 575 lb		

From: Harley FXRS Low Rider / Low Glide, Transmission Info, Charging System

Still on the road

about 2,380
1985 FXRS bikes left
of 4,751 built

about 15,655
FXRS bikes left, all years
of 30,419 built, 1982 to 1992

An estimate, not a count. Built numbers come from The Bazar Book of FXRs (pages 57, 58). Each year is worn down 3% a year for 3 years, 2% for 5, then 1.5%, to Jan 1, 2026.

From: FXRs on the Road

What's it worth?

Every bike is different. Answer a few questions about yours and our calculator does the math.

What's My FXR Worth? ›

Fork and capacities

Fork tubes 1.38 in (35mm), short tube

Fuel tank 3.8 gal

Oil tank, with filter 3.0 qt

Primary chaincase 1.5 qt (48 oz)

Fork oil, each leg 6 oz

Suspension Optional Sport package: the FXRT's taller long-tube fork and suspension with dual front discs.

From: FXR Forks: 35mm vs 39mm, Rider, Sep 2017, Harley-Davidson 1985 owner's manual 99465-85, page 77

Gearbox and gearing

Teeth	Engine 24, clutch 37, gearbox 32, rear 70
Overall ratios	10.93, 7.45, 5.4, 4.16, 3.37
Gearbox oil	About 1 pint
Mainshaft	Tapered with Woodruff key

From: FXR Transmission Info

Charging system

Output	22 amps
Stator	29965-81A (now 29965-81C)
Regulator	74516-86
Rotor	29957-81B, the same on every FXR
Battery	65991-82A

> Want 32 amps? Fit a 32 amp stator and a 32 amp regulator. The rotor stays.

From: FXR Charging System

Known Issues

#2 Tapered vs splined transmission mainshaft 1982 to 1989

#3 Charging system: stator and regulator All years

#4 Stator plug failure Evo, 1984 to 1994 and CVO

#6 Evo top end oil weeps 1984 to 1994 and CVO

#7 The FXR wobble: swingarm bushings and isolators All years

#8 Walking inner primary race 1985 to 1994 and CVO

#9 Heavy clutch pull on early Evo FXRs 1984 to 1986

#11 Starter spins but will not crank All years

#12 Cracked engine case O-ring lip All years

#13 Wet sumping after the bike sits All years

#15 Evo cylinder studs: the 1994 change 1984 to early 1994

#16 The gangster lean: a worn jiffy stand All years

#17 Runaway starter: a stuck relay or solenoid All years

From: Known Issues

Road tests and reviews

Cycle World, Dec 1981: 1982 FXRS (Shovelhead). 14.26 s at 91.46 mph quarter mile, 50 mpg.

Cycle Guide, Dec 1981: 1982 FXRS (Shovelhead). 13.917 s at 93.07 mph quarter mile, 40 to 47 mpg.

Cycle Guide, Jan 1984: 1984 FXRS Low Glide (Evolution). 13.917 s at 94.57 mph quarter mile, 38 to 48 mpg.

Cycle, Jan 1982: FXRS road test (cover story).

Cycle World, Sep 1984: Long-term test of a 1984 FXRS, 10,000 miles.

From: Period Road Tests, Modern Reviews

Factory books

Owner's manual	FLT, FXR (1985), 99465-85. Open it here.
Parts catalog	FXR models (1984 to 1986), 99439-86A. Open it on Harley's site.
Service manual	FLT, FXR (1984 to 1990), 99483-90. For sale only

From: FXR Manuals