

This Harley-Davidson Dyna Manual is 544 pages.

Trouble codes, flow charts and color wiring diagrams on CD.

CHAPTER ONE / GENERAL INFORMATION

Manual organization / Warnings, cautions and notes / Safety / Serial numbers / Fasteners / Shop supplies / Tools / Measuring tools / Decimal place values / Electrical system fundamentals / Service methods / Storage / Specifications

CHAPTER TWO / TROUBLESHOOTING

Operating requirements / Engine starting / Engine performance / Engine noises / Electrical testing / Starting system / Charging system / Ignition system / Fuel system / Engine lubrication / Clutch / Transmission / Lighting system / Vibration / Front suspension and steering / Brake system / Electronic diagnostic system / Specifications

CHAPTER THREE / LUBRICATION, MAINTENANCE AND TUNE-UP

Pre-ride inspection / Tires and wheels / Screamin eagle and CVO models lubrication / Engine oil and filter / Transmission oil / Primary chain case oil / Front fork oil / Control cables / Throttle control grip lubrication / Jiffy stand lubrication / Primary chain and drive belt / Brake system service / Clutch system / Throttle cables adjustment / Fuel line inspection / Steering play inspection / Swing arm pivot bolt inspection / Shock absorber inspection / Engine mounts and stabilizer / Exhaust system / Fasteners / Electrical equipment and switches / Tune-up / Air filter element / Compression test / Spark plugs / Ignition timing / Idle speed adjustment / Motorcycle alignment / Specifications

The engine oil capacity was omitted from the capacity table in early printings of this manual. Later printing have been corrected.

Engine oil capacity

2006-2011 FXD, FXDB, FXDC, FXDL, FXDWG and FXD35 models

With oil change 2.5 qt. (2.4 L)

After engine rebuild 3.0 qt. (2.7 L)

2007 FXDSE and 2008 FXDSE2 models (oil tank w/filter) 3.5 qt. (3.3 L)

2009 FXDFSE and 2010 FXDFSE2 models (oil tank w/filter) 4.0 qt. (3.8 L)

Primary chaincase drain bolt torque for 2006 models is unique. The specification is 36-60 in.lbs

CHAPTER FOUR / ENGINE TOP END

Engine removal and installation / Rocker arms, pushrods and valve lifters / Cylinder head / Valves and valve components / Cylinder / Pistons and piston rings / Exhaust system / Active exhaust module / Specifications

CHAPTER FIVE / ENGINE LOWER END

Engine / Oil pump / Camshaft support plate / Crankcase and crankshaft / Crankcase bearing replacement / Engine break-in / Specifications

CHAPTER SIX / CLUTCH AND PRIMARY DRIVE

Primary chaincase cover / Primary chaincase housing / Clutch assembly / Clutch pushrod and release plate movement inspection / Primary drive assembly / Clutch shell, hub and sprocket / Primary chain and tensioner inspection / Compensating sprocket inspection / Clutch cable

replacement / Clutch lever assembly / Clutch release cover / Clutch service Screamin Eagle and CVO models / Specifications

CHAPTER SEVEN / TRANSMISSION

Shift assembly / External shift mechanism / Transmission top cover / Shift arm assembly / Shift forks and shift cam / Transmission side door assembly / Transmission shafts / Side door bearings / Main drive gear / Transmission drive sprocket / Transmission case / Oil pan / Specifications

CHAPTER EIGHT / FUEL SYSTEM

Air filter backplate / Backplate inspection / Depressurizing the fuel system / Fuel tank / Fuel supply check valve / Top plate / Fuel level sending unit / Fuel pump assembly / Fuel filter / Inlet strainer / Fuel pump / Fuel pressure regulator / Fuel pressure test / Fuel tank console / Electronic fuel injection EFI / Throttle and idle cables / Induction module / Fuel injectors / Intake air temperature IAT sensor / Throttle position sensor TPS / Idle air control IAC sensor / Manifold absolute pressure MAP sensor / Engine temperature ET sensor / Oxygen O2 sensor / Evaporative emission control system / Specifications

CHAPTER NINE / ELECTRICAL SYSTEM

Electrical component replacement / Fuses / Maxi-fuse / Ground wires and studs / Battery / Battery tray / Charging system / Alternator / Voltage regulator / Ignition system / Ignition coil / Electronic control module ECM / Side electrical caddy / Crankshaft position sensor / Engine temperature sensor / Bank angle sensor / Vehicle speed sensor / Starting system / Starter / Lighting system / Headlight / Turn signals / Taillight brake light / Fuel tank console mounted instruments / Indicator lamps / Handlebar mounted instruments / Fuel gauge / Automatic compression release solenoid / Switches / Jiffy stand interlock / Horn / Turn signal security modules / Relays / Electrical connector service / Wiring diagrams / Specifications

CHAPTER TEN / WHEELS, HUBS AND TIRES

Motorcycle stands / Brake rotor protection / Front wheel / Rear wheel / Front and rear hubs / Driven sprocket / Drive sprocket / Drive belt / Laced wheel service / Wheel balance / Tire changing / Tire repairs / Tire runout / Specifications

CHAPTER ELEVEN / FRONT SUSPENSION AND STEERING

Handlebar / Handlebar inspection / Lower clamp rubber bushing replacement / Front fork / Steering head and stem / Steering head bearing race replacement / Fork stem lower bearing replacement / Steering play checking and adjustment / Specifications

CHAPTER TWELVE / REAR SUSPENSION

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Brake service / Front brake pad replacement / Front brake caliper / Front master cylinder / Rear brake pad replacement / Rear brake caliper / Rear master cylinder / Brake hose and line replacement / Brake disc / Rear brake pedal / Brake bleeding / Flushing the brake system / Specifications

CHAPTER FOURTEEN / BODY AND FRAME

Seats / Front fender / Rear fender / Jiffy stand / Foot rest / Highway foot rest / Spoiler / Specifications

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Troubleshooting Codes, Flow Charts and Color Wiring Diagrams on CD.

Models covered:

2006 2007 2008 2009 2010 HARLEY-DAVIDSON FXD Dyna Super Glide
2006 HARLEY-DAVIDSON FXD35 35th Anniversary Super Glide
2006 2007 2008 2009 2010 HARLEY-DAVIDSON FXDB Street Bob
2006 2007 2008 2009 2010 HARLEY-DAVIDSON FXDC Dyna Super Glide Custom
2006 2007 2008 2009 2010 HARLEY-DAVIDSON FXDF Fat Bob
2009 HARLEY-DAVIDSON FXDFSE CVO Dyna Fat Bob
2010 HARLEY-DAVIDSON FXDFSE2 CVO Dyna Fat Bob
2006 2007 2008 2009 HARLEY-DAVIDSON FXDL Dyna Low Rider
2010 2011 HARLEY-DAVIDSON FXDL Dyna Low Rider HDI (Japan)
2007 HARLEY-DAVIDSON FXDSE Screamin Eagle Dyna
2008 HARLEY-DAVIDSON FXDSE2 Screamin Eagle Dyna
2006-2008, 2010-2011 HARLEY-DAVIDSON FXDWG Dyna Wide Glide

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