

This Harley-Davidson Motorcycle Manual is 640 pages.

QUICK REFERENCE DATA

CHAPTER ONE / GENERAL INFORMATION

Manual organization / Warnings, cautions and notes / Safety / Serial numbers / Fasteners / Shop supplies / Basic tools / Special tools / Precision measuring tools / Electrical system fundamentals / Basic service methods / Storage / Specifications

CHAPTER TWO / TROUBLESHOOTING

Engine principles / Operating requirements / Starting the engine / Engine performance / Starting system / Charging system / Ignition system (carbureted models) / Ignition system (fuel-injected models) / Engine management system diagnostic codes / Cruise control system diagnostic codes / Fuel system (carbureted models) / Fuel system (electronic fuel injection) / Engine noises / Engine lubrication / Clutch / Transmission / Lighting system / Excessive vibration / Front suspension and steering / Brake problems / Specifications

CHAPTER THREE / LUBRICATION, MAINTENANCE AND TUNE-UP

Routine safety checks / Tires and wheels / Periodic lubrication / Periodic maintenance / Tune-up / Ignition service / Carburetor adjustments / Specifications

CHAPTER FOUR / ENGINE

Removal installation / Rocker arms and pushrods / Cylinder head / Valves and components / Cylinder / Pistons and rings / Pushrods / Valve lifters / Oil pump / Oil tank and oil lines / Camshaft support plate / Crankcase and crankshaft / Counter balancer assembly / Engine break-in

CHAPTER FIVE / CLUTCH AND PRIMARY DRIVE

Primary chaincase cover / Clutch assembly / Clutch shell, compensating sprocket and primary drive chain / Clutch shell, clutch hub and sprocket / Primary chain and guide inspection / Primary chain alignment / Compensating sprocket inspection / Primary chaincase housing / Starter jackshaft / Clutch cable replacement

CHAPTER SIX / TRANSMISSION

Shifter assembly / External shift mechanism / Transmission top cover / Shift cam / Shift arm assembly / Shift forks / Transmission side door and transmission shaft assemblies / Transmission shafts / Main drive gear / Transmission clutch release mechanism cover / Transmission drive sprocket / Transmission case

CHAPTER SEVEN / FUEL, EXHAUST AND EMISSION CONTROL SYSTEMS

Air filter backplate / Carburetor / Intake manifold / Electronic fuel injection / Depressurizing the fuel system / Induction module / Throttle and idle cables / Starting enrichment valve (choke) cable replacement / Throttle and idle cables / Fuel tank console / Fuel hose and clamps / Fuel tank / Fuel tank inspection / Fuel pump and fuel filter / Fuel shutoff valve / Fuel tank gauge / Exhaust system / Evaporative emission control system

CHAPTER EIGHT / ELECTRICAL SYSTEM

Electrical connectors / Battery / Charging system / Alternator / Voltage regulator / Ignition system / Starting system / Lighting system / Switches / Horn / Electrical panel / Turn signal module / Turn signal module and turn signal/security module / Speedometer speed sensor / Starter relay switch replacement / Speedometer and indicator lights / Fuses / Circuit breaker / Electrical connector service / Wiring diagrams

CHAPTER NINE / WHEELS, HUBS AND TIRES

Motorcycle stands / Front wheel / Rear wheel / Front and rear hubs / Driven sprocket assembly / Drive sprocket / Drive belt / Wheel runout / Rim and laced wheel service / Disc and cast wheels / Wheel balance / Tires / Tire changing / Tire repairs / Tire runout

CHAPTER TEN AND ELEVEN / FRONT SUSPENSION AND STEERING (TELESCOPIC FORK AND SPRINGER FORK)

Springer service precautions / Handlebar and risers / Shock absorber / Fork rockers / Springer fork / Rigid fork / Steering stem / Steering play adjustment

CHAPTER TWELVE / REAR SUSPENSION

Spring preload adjustment / Shock absorbers / Rear swing arm

CHAPTER THIRTEEN / BRAKES

Brake service / Front brake pad replacement / Front brake caliper / Brake reaction link / Front brake caliper / Front master cylinder / Rear brake pad replacement / Rear brake caliper / Rear master cylinder / Brake hose and line replacement / Brake disc / Bleeding the system / Rear brake pedal

CHAPTER FOURTEEN / BODY

Seat / Front fender / Rear fender inner panel / Rear fender / Windshield / Saddlebags / Footboards and footrests / Jiffy stand

SUPPLEMENT / 2004-2005 MODEL SERVICE INFORMATION

Routine safety checks / Periodic lubrication / Periodic maintenance / Tune-up / Engine / Rocker arms and pushrods / Cylinder head / Valve and valve components (2005 models—except FXSTDSE2 and FLSTFSE models) / Pistons and piston rings / Crankcase and crankshaft / Counter balancer assembly (FLSTFSE models) / Clutch assembly (all 2005 models) / Clutch assembly (FXSTDSE2 and FLSTFSE models) / Clutch release bearing and pushrod (FXSTDSE2 and FLSTFSE models) / Clutch service (FXSTDSE2 and FLSTFSE models) / Clutch master cylinder (FXSTDSE2 and FLSTFSE models) / Clutch release mechanism (FXSTDSE2 and FLSTFSE models) / Clutch hydraulic hose replacement (FXSTDSE2 and FLSTFSE models) / Clutch system flushing (FXSTDSE2 and FLSTFSE models) / Clutch system bleeding (FXSTDSE2 and FLSTFSE models) / Shifter assembly (FXSTDSE2 and FLSTFSE models) / External shift mechanism (FXSTDSE2 and FLSTFSE models) / Transmission side door and transmission shaft assemblies (FXSTDSE2 and FLSTFSE models) / Air filter backplate (FXSTDSE2, FLSTFSE and FLSTFI-15th anniversary) / Fuel tank console (FLSTFSE models) / Fuel tank gauge / Starting system / Voltage regulator (FXSTDSE2 and FLSTFSE models) / Lighting system / Switches / Speedometer and indicator lights (FLSTFSE models) / Tachometer (FXSTDSE2 and FLSTFSE models) / Front wheel / Rear wheel (FXSTDSE2 and FLSTFSE models) / Front and rear hubs (FXSTDSE2 and FLSTFSE models) / Driven sprocket assembly (FXSTDSE2 models) / Handlebars and risers (FXSTDSE2 and FLSTFSE models) / Front fork / Steering play adjustment / Rear swing arm removal/installation (FXSTDSE2 and FLSTFSE models) / Front brake pad replacement (FLSTSC) / Rear brake pad replacement (FXSTDSE2 and FLSTFSE models) / Brake hose and line replacement (FXSTDSE2 and FLSTFSE models) / Brake disc (FXSTDSE2 and FLSTFSE models) / Seat / Front fender / Rear fender / Footboards and footrests / Front spoiler and frame side covers

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COLOR WIRING DIAGRAMS

Models covered: 2000 2001 2002 2003 2004 2005 FLSTC / FLSTCI HERITAGE SOFTAIL CLASSIC
2000 2001 2002 2003 2004 2005 FLSTF /FLSTFI FAT BOY
2005 FLSTFI FAT BOY 15TH ANNIVERSARY EDITION
2005 FLSTFSE SCREAMIN EAGLE FAT BOY
2005 FLSTN / FLSTNI SOFTAIL DELUXE
2000 2001 2002 2003 2004 FLSTS/FLSTSI HERITAGE SPRINGER
2005 FLSTSC / FLSTSCI SOFTAIL SPRINGER CLASSIC
2000 2001 2002 2003 2004 2005 FXST/FXSTI SOFTAIL STANDARD
2000 2001 2002 2003 2004 2005 FXSTB / FXSTBI NIGHT TRAIN
2000 2001 2002 2003 2004 2005 FXSTD / FXSTDI SOFTAIL DEUCE
2004 FXSTDSE2 SCREAMIN EAGLE DEUCE 2000 2001 2002 2003 2004 2005 FXSTS / FXSTSI
SPRINGER SOFTAIL

Clymer Manuals Harley Davidson FLSTC / FLSTCI Heritage Softail Classic Manual
Clymer Manuals Harley Davidson FLSTF /FLSTFI Fat Boy Manual
Clymer Manuals Harley Davidson FLSTFI Fat Boy 15TH Anniversary Edition Manual
Clymer Manuals Harley Davidson FLSTFSE Screamin' Eagle Fat Boy Manual
Clymer Manuals Harley Davidson FLSTN / FLSTNI Softail Deluxe Manual
Clymer Manuals Harley Davidson FLSTS/FLSTSI Heritage Springer Manual
Clymer Manuals Harley Davidson FLSTSC / FLSTSCI Softail Springer Classic Manual
Clymer Manuals Harley Davidson FXST/FXSTI Softail Standard Manual
Clymer Manuals Harley Davidson FXSTB / FXSTBI Night Train Manual
Clymer Manuals Harley Davidson FXSTD / FXSTDI Softail Deuce Manual
Clymer Manuals Harley Davidson FXSTDSE2 Screamin' Eagle Deuce Manual
Clymer Manuals Harley Davidson FXSTS / FXSTSI Springer Softail Manual