

# **FIX MY HOG<sup>®</sup>**

---

YOUR KICKSTART TO HARLEY-DAVIDSON<sup>®</sup> MAINTENANCE  
**SPORTSTER<sup>®</sup> EDITION SCRIPT**  
**DISC 1**

---

Fix My Hog, Inc. 3853 Belmont Avenue, San Diego, CA 92116  
(619) 269-9321  
[www.fixmyhog.com](http://www.fixmyhog.com)  
[info@fixmyhog.com](mailto:info@fixmyhog.com)

## Contents

### FIX MY HOG SPORTSTER® EDITION SCRIPT DISC 1

CHAPTER 1: TOOLS AND PRODUCTS .....	1
CHAPTER 2: SEAT REMOVAL AND BATTERY CHECK .....	4
CHAPTER 3: FLUID SERVICE/CLUTCH AND PRIMARY CHAIN ADJUSTMENT .....	6
CHAPTER 4: SPARK PLUGS .....	14
CHAPTER 5: THROTTLE CABLE LUBRICATION AND ADJUSTMENT/ AIR FILTER REPLACEMENT/ENRICHENER CABLE SERVICE .....	16
CHAPTER 7: STEERING HEAD BEARINGS LUBRICATION AND FALL-AWAY ADJUSTMENT .....	25
CHAPTER 8: FRONT BRAKE CALIPER AND PAD SERVICE/ BLEEDING BRAKES .....	35
CHAPTER 9: FRONT TIRE REMOVAL AND REPLACEMENT .....	40
CHAPTER 10: REAR BRAKE CALIPER AND PADS .....	43
CHAPTER 11: REAR TIRE REMOVAL AND REPLACEMENT .....	446
CHAPTER 12: REAR WHEEL ALIGNMENT .....	49
CHAPTER 13: REAR SHOCK ADJUSTMENT AND DRIVE BELT SERVICE .....	51
CHAPTER 14: BELT DEFLECTION .....	53
CHAPTER 15: SAFETY CHECK.....	55

**FIX MY HOG® SPORTSTER® EDITION SCRIPT DISC 2**

**EVOLUTION OVERVIEW.....58**

**CHAPTER 1: 2000–2003 FRONT AND REAR BRAKE CALIPER SERVICE ...59**

**CHAPTER 2: 1999–OLDER SINGLE PISTON FRONT AND REAR BRAKE CALIPER SERVICE .....63**

**CHAPTER 3: INSIDE THE PRIMARY CASE AND PRIMARY CHAIN TIGHT SPOT.....68**

**CHAPTER 4: BATTERY CARE .....71**

**CHAPTER 5: DRAINING FUEL TANK AND FILTER SERVICE .....72**

## **A Message from Fix My Hog<sup>®</sup>, Inc.:**

Thank you for purchasing this DVD from Fix My Hog, Inc. We hope that it will get you on your way to saving time and money when it comes to doing maintenance and adding performance items to your Harley-Davidson<sup>®</sup>. This DVD is meant for reference purposes only. It is to be used in conjunction with your factory service manual, manufacturer's installation guides and the correct tools. This DVD is not meant to be your sole source of information. In other words, this DVD is not the end all be all of information. Before you start any service or installation make sure you have the proper reference materials and tools to get the job done right.

Please understand that Fix My Hog, Inc. makes no representation or warranty with the respect to this DVD or the related documentation and to the extent permitted under applicable law this DVD is delivered "as is." The warranty stated herein is expressly in lieu of all other warranties, expressed or implied, including but not limited to any express or implied warranty of accuracy, correctness, reliability, merchantability, fitness for a particular purpose, and non-infringement, and such warranty constitutes the only warranty made by Fix My Hog, Inc. with respect to the DVD. You assume the cost of service, repairs, or corrections to your motorcycle or other equipment. In no event will Fix My Hog, Inc. or any of its officers, directors, employees, licensors, or distributors be liable for any indirect, special, incidental, economic, or consequential damages arising out of the use or inability to use this DVD, even if Fix My Hog, Inc. has been advised of the possibility of such damages, in no event will the liability of Fix My Hog, Inc. or any of its affiliates, officers, directors, employees, licensors, or distributors exceed the amount paid by you, if any, for this DVD, because some jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damages, the above limitation may not apply to you.

You agree to indemnify and hold Fix My Hog, Inc., its employees, directors, officers, successors, assigns, distributors and anyone else associated with Fix My Hog, Inc., harmless from, and against, any and all claims, liabilities, costs, damages, or expenses, (including attorneys' fees) asserted against Fix My Hog, Inc. arising out of your use of this DVD. Persons engaging in the procedures depicted in this DVD do so entirely at their own risk. Fix My Hog, Inc. is not associated with or a representative of the Harley-Davidson<sup>®</sup> Motor Company or any other entity shown on this DVD.

Wrench Safe,  
Fix My Hog<sup>®</sup>, Inc.

Copyright 2007 Fix My Hog, Inc. This document is intended for the sole use of the person it was sent to. Replication of this document is illegal. Fix My Hog<sup>®</sup> and Know Thy Hog<sup>®</sup> are registered trademarks of Fix My Hog, Inc. [www.fixmyhog.com](http://www.fixmyhog.com)

## CHAPTER 1



### TOOLS AND PRODUCTS

Hi, I'm Bob. This is "Fix My Hog's" DVD on Sportster maintenance. The purpose of this DVD is to show you basic service procedures that'll coincide with your factory service manual. I'd like to start with an introduction to basic tools.

What you want is a set of good quality wrenches to avoid skinned knuckles with cheap products, standard sizes, a 10-mm for battery connections. You'll want some Allen wrenches, both standard and metric. The 5-mm will be used on new style calipers. I like a few long shank ball Allens for hard to get into places, standard Allen bits, torque bits. You want a tire gauge and inflator. You'll need a blowgun. You want an assortment of extensions with standard ends and wobble ends; this helps you get into tight areas. Tie wraps, longs, shorts, and if you happen to remove any specialty style whether they be double loop or frame strap style, always buy replacement ties where you cut them free.

You'll need a few small style metric wrenches, a few large style, sockets deep for clutch areas, primary areas. Spark plug socket, regular 12-point. You want a good assortment of standard sockets, 12-point and 6-point, a belt tension gauge, a metal scale for primary chain adjustment. You'll want an injector tool for pushing brake fluid. You'll need torque wrenches in both foot-pounds and inch-pounds. A palm ratchet for fork tube caps, an