

Harley-Davidson

SERVICE MANUAL

1976

SS/SX-175/250

1974 to

1974-76

SS/SX-175/250

**SERVICE
MANUAL**

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The SS and SX models are similar in most respects and the information in this manual applies to both unless otherwise specified. The specific year and model designations are as follows:

1974

SX-175

1975

SX-175/250
SS-250

1976 & Later

SS/SX-175
SS/SX-250

FOREWORD

This service manual has been prepared with two purposes in mind. First, it will acquaint the reader with the construction of Harley-Davidson products and assist him in performing basic maintenance and repair. Second, it will introduce the latest field-tested and factory-approved major repair methods to the professional Harley-Davidson mechanic. We sincerely believe that this manual will make your association with Harley-Davidson products more pleasant and profitable.

HOW TO USE YOUR SERVICE MANUAL

Your service manual is arranged for quick, easy reference. It is divided into numbered sections such as "Chassis," "Engine" and "Transmission." Sections are then divided into sub-sections. The engine section, for example, is made up of sub-sections such as "Cylinder," "Crankcase," etc.

Use this manual as follows:

1. Check the Table of Contents located in front of each section to find subject desired.
2. Page number is listed across from subject.
3. Each section is printed with section number for quick general location of subject. Page number consists of section number and page number.
4. Information is presented in a definite order as follows:

Minor adjustments
Minor maintenance or repair
Complete disassembly
Cleaning
Major maintenance or repair
Assembly

In figure legends, a number following a name of a part indicates the quantity necessary for one complete assembly.

All information for servicing a part should be read before repair work is started to avoid needless disassembly.

SERVICE BULLETINS

In addition to the information given in this service manual, service bulletins are issued to Harley-Davidson Dealers from time to time, which cover interim engineering changes and supplementary information. Service bulletins should be consulted for complete information on the models covered by this manual.

USE GENUINE REPLACEMENT PARTS

To insure a satisfactory and lasting repair job, follow the manual instructions carefully and use only genuine Harley-Davidson replacement parts. Behind the emblem bearing the words "Genuine Harley-Davidson" is more than half a century of designing, research, manufacturing, testing and inspecting experience.

This is your insurance that the parts you are using will fit right, operate properly and last longer. When you use genuine Harley-Davidson parts you use the best.



Gasoline is extremely flammable and highly explosive under certain conditions. Always stop engine and do not smoke or allow open flame or sparks when refueling or servicing the fuel system or when using gasoline as a cleaning solvent where specified in this manual.

Harley-Davidson products are manufactured under one or more of the following patents: U.S. Patents - D-199,479, 251,022, 257,473, 277,086, 278,392, 278,867, 287,266, 298,616, 298,793, 299,880, 311,608, 314,463, 314,486, 322,699, 322,972, 343,488, 355,977. Canadian Patents - 487,981, 490,652.

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Tire Data

Model	Front	Rear
1975 & Earlier		
SX-175	3.00 x 19 in. 22 psi	3.50 x 18 in. 25 psi
SX-250		
SS-250	3.25 x 19 in. 22 psi	4.00 x 18 in. 25 psi
1976 & Later		
SX-175	3.00 x 19 in. 20 psi	4.00 x 18 in. 24 psi
SS-175	3.25 x 19 in. 20 psi	
SX-250	3.00 x 21 in. 22 psi	4.00 x 18 in. 26 psi
SS-250	3.25 x 19 in. 22 psi	

VEHICLE IDENTIFICATION NUMBER (V.I.N.)

The Vehicle Identification Number (V.I.N.) is stamped on the engine crankcase and on the frame steering head. It consists of a model code, a serial number, a manufacturer's identification and model year as shown in the table. Always give this number when ordering parts or making an inquiry:

Letters	Model No.	Serial No.	Mfg.	Year
SX-175	5D	10,000 and up (5 digits)	H Harley-Davidson	6 (1976)
SS-175	4F			
SX-250	6D			
SS-250	9E			

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