

1. Introduction

This service manual contains detailed descriptions of all the typical repair and servicing procedures for this power tool.

As the design concept of models MS 290, MS 310 and MS 390 is almost identical, the descriptions and servicing procedures in this manual generally apply to all three models. Differences are described in detail.

You should make use of the illustrated parts lists while carrying out repair work. They show the installed positions of the individual components and assemblies.

Refer to the latest edition of the relevant parts list to check the part numbers of any replacement parts.

A fault on the machine may have several causes. To help locate the fault, consult the chapter on "Troubleshooting" and the "STHL Service Training System".

Refer to the "Technical Information" bulletins for engineering changes which have been introduced since publication of this service manual. Technical information bulletins also supplement the parts list until an updated edition is issued.

The special tools mentioned in the descriptions are listed in chapter "Special Servicing Tools" of this manual. Use the part numbers to identify the tools in the "STHL Special Tools" manual which lists all the special servicing tools currently available from STHL.

Symbols are included in the text and pictures for greater clarity. The meanings are as follows:

In the descriptions:

- = Action to be taken as shown in the illustration (above the list)
- = Action to be taken that is not shown in the illustration (above the text)

In the illustrations:

- Pointer (short arrow)
- ➡ Direction of movement (long arrow)

(1) 4.2 = Reference to another chapter, i.e. chapter 4.2 in this example.

Service manuals and technical information bulletins are intended exclusively for the use of properly equipped repair shops. They must not be passed to third parties.



Servicing and repairs are made considerably easier if the clamp (1) 59 10 890 2000 is used to mount the machine on assembly stand (2) 59 10 890 3100 so that one clamp screw engages the outer 10 mm hole (3) in the assembly stand.

To service the underside of the machine, turn it upside down and mount it so that one clamp screw engages the inner 10 mm hole in the assembly stand.

Note:

Pull the hand guard back against the front handle for this purpose.

Always use original STHL replacement parts.

They can be identified by the STHL part number, the **STHL** logo and the STHL parts symbol . This symbol may appear alone on small parts.

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Stihl 031,032 (chainsaw Service Manual, 030AV 031AV, 032AV). Stihl, Inc,19?? **Chainsaw Operator's Manual** ForestWorks,2009-10-01 The Chainsaw Operator s Manual is an essential safety tool for chainsaw operators It is the ultimate guide to basic chainsaw operating techniques covering safety maintenance and cross cutting but not tree felling Detailed diagrams illustrate horizontal vertical and boring cuts as well as trimming and cross cutting techniques Safety considerations are discussed including workplace safety occupational hazards kick back and identifying dangerous trees An explanation of the tension and compression forces in timber is also provided to help you understand where to begin cutting to avoid jamming the saw The book covers chainsaw maintenance in detail explains all aspects of the equipment and helps you select the right chainsaw and personal protection equipment for your needs Trouble shooting charts are included to help you solve operating problems This manual has been updated to take into account the most recent changes in nationally accredited competency standards It is a must have for anyone operating a chainsaw **Chain Saw Service Manual** ,1966 *Chain Saw Service Manual* Intertec Publishing Corporation,1989 This manual provides comprehensive service and repair information for the most popular chain saw models Prepared by expert technical writers in an easy step by step format it covers repair reassembly maintenance and adjustment procedures in detail *Chain Saw Flat Rate Pricing Guide/Cf-10* Intertec Publishing Corporation,Intertec Publishing Corporation Staff,1989-03-01 **John Deere 318 Lawn and Garden Tractor Technical Service Repair Manual** ,1991-05-15 **Motor Repair Manual ... Fifth Edition [of "Motor Repair Work"], Etc** MOTOR REPAIR MANUAL.,1930 Motor Repair Manual ... Fourth Edition [of "Motor Repair Work"], Etc MOTOR REPAIR MANUAL.,1925

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web a product line is a set of products that are similar or complementary for example domino s sells crunchy thin handmade pan brooklyn style and gluten free crust along with its hand tossed pizza crust as a part of a product line a product mix contains all the products that a company sells

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web aug 29 2023 in contrast the product mix aims to cater to a wide range of customer needs across different market segments in a product line products are related and have common features benefits and uses conversely in a product mix products may or may not be similar to one another because of a wide range of categories