



Service Manual

Groundsmaster 224 / 225 / 1000L / 228-D: (See notes in box below)

Groundsmaster® 220-D/223-D

Preface

This Service and Overhaul Manual was written to give the service technician information about the TORO Groundsmaster® 220-D/223-D mowers.

This manual is not designed to teach component theory. The purpose of this manual is to provide the service technician with a working guide for safe maintenance, troubleshooting, test, repair, and overhaul procedures.

The Toro Company has made every effort to make this service manual a useful and lasting addition to every service facility. To assure proper and effective service, and to provide the best performance for the life of the machine, you should read this manual carefully.

Read the complete sequence of instructions (example: steps 1 - 6) before performing a procedure.

The Toro Company reserves the right to change product specifications or this manual without notice.



This safety symbol means **DANGER, WARNING, or CAUTION, PERSONAL SAFETY INSTRUCTION**. When you see this symbol, carefully read the instructions that follow. Failure to obey the instructions may result in personal injury.

NOTE: A NOTE will give general information about the correct operation, maintenance, service, testing or repair of the machine.

IMPORTANT: The IMPORTANT notice will give important instructions which must be followed to prevent damage to systems or components on the machine.

Use this book along with the Toro Operator's Manual and Parts Catalog for the specific model and serial number of the machine, and the engine manual listed below:

Groundsmaster 224:
Mitsubishi 5A3 Engine Service Guide
(Toro Part No. 817725L)

Groundsmaster 1000L,
Lawson 1000L Engine Service Manual
(Toro Part No. 499-4713)

Groundsmaster 225:
Honda Diaphan 3.0 Engine Repair
Manual (Toro Part No. 904455L)

Groundsmaster 228-D:
Kubota D5 Series Shop Manual
(Toro Part No. 910005L)



Troubleshooting Guide Groundsmaster 3432d

Clifford Lane



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