



Service Manual

(Models 30448 and 30446)

Groundsmaster® 4000-D & 4010-D

Preface

The purpose of this publication is to provide the service technician with information for troubleshooting, testing and repair of major systems and components on the Groundsmaster 4000-D (Model 30448) and 4010-D (Model 30446).

REFER TO THE OPERATOR'S MANUAL FOR OPERATING, MAINTENANCE AND ADJUSTMENT INSTRUCTIONS. For reference, insert a copy of the Operator's Manual and Parts Catalog for your machine into Chapter 2 of this service manual. Additional copies of the Operator's Manual and Parts Catalog are available on the internet at www.Toro.com.

The Toro Company reserves the right to change product specifications or this publication 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.



Groundsmaster 4000-D

Groundsmaster 4010-D



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SJ Ball



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Public Works Manual ,1987 *International Turf Management Handbook* David Aldous,1999-09-27 Grasslands take up approximately one quarter of the world s vegetative cover Turfgrasses protect the land from erosion stabilize the soil moderate the temperature and provide low cost safe surfacing for many sporting and leisure activities Amenity grasslands and turf in particular do more than form a significant part of the global landscape They make up the basis of a multimillion dollar industry *International Turf Management Handbook* covers the establishment maintenance and management of natural turfgrass surfaces This handbook is arranged in four sections The first section details the identification and selection of turfgrasses how they grow and their maintenance The second section focuses on the management and administration of the turfgrass business The third section addresses current standards and their use to effectively manage different surfaces such as bowling croquet and golf greens grass tennis courts cricket tables football and athletic fields racetracks and golf fairways The final section discusses important environmental issues in turf management including water resources pesticides and fertilizers Developed in association with more than 20 leading turf management authorities the *International Turf Management Handbook* details the how the natural turfgrass surface functions It explores strategies that blend biodiversity and sustainability with the business of maintaining turf It is essential reading for agriculture horticulture and natural resource professionals and land managers *Southern Golf* ,1987 *Recreation, Sports & Leisure* ,1987 **Australasian Parks and Leisure** ,2004 **International Turfgrass Bulletin** ,2001 **Thomas Register of American Manufacturers and Thomas Register Catalog File** ,1995 Vols for 1970 71 includes manufacturers catalogs **Golfdom** ,2007 **Commerce Business Daily** ,2001-03 **Rural Living** ,1997-11 *Bulletin* New York State Turfgrass Association,1991 **Municipal Journal** ,1982 *Popular Science* ,1978 **The Advertising Red Books** ,2006-04 **Turfgrass Management Information Directory** Keith J. Karnok,1998 *Standard Directory of Advertisers* ,1990 *LexisNexis Corporate Affiliations* ,2004 *Farmers and Consumers Market Bulletin* ,1999 **Toro 21" Hp & Sp Recycler Fingertip Start Operator's Manual** Toro Company,1990 *Toro Trimmer 1010 Model No. 51255-8000001 & Up Operator's Manual* Toro Company,1987

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