

TeamMate™ | 1200, 1400, 1600, and 1800 Series Inboard Planetary Axles



**John Deere Waterloo Works
CTM18 (08JUL95)**

LITHO IN U.S.A.
ENGLISH

TeamMate™ | 1200-1400-1600-1800 Axles


CTM18 (08JUL95)

Introduction

FOREWORD

This manual is written for an experienced technician. Essential tools required in performing certain service work are identified in this manual and are recommended for use.

Live with safety: Read the safety messages in the introduction of this manual and the cautions presented throughout the text of the manual.

 **This is the safety-alert symbol.** When you see this symbol on the machine or in this manual, be alert to the potential for personal injury.

Use this component technical manual in conjunction with the machine technical manual. See the machine technical manual for information on component removal and installation, and gaining access to the components.

Information is organized in groups for the various components requiring service instruction. At the beginning of each group are summary listings of all applicable essential tools, service equipment and tools, other materials needed to do the job, service parts kits, specifications, wear tolerances, and torque values.

This component technical manual covers the recommended repair procedure for the TEAMMATE™ 1200, 1400, 1600, and 1800 Series Inboard Planetary Axles.

Some components from these axles, such as axle housings, brakes, and input quills, may be serviced without removing the complete axle assembly from the machine. You may have to determine this procedure yourself for a safe removal of such components. See information to remove and install the complete axle assembly, found in your vehicle technical manual.

Clean differential and axle assemblies before servicing. Always work in a clean work area.

Binders, binder labels, and tab sets can be ordered by John Deere dealers direct from the John Deere Distribution Service Center.

This manual is part of a total product support program.

FOS MANUALS—REFERENCE

TECHNICAL MANUALS—MACHINE SERVICE

COMPONENT MANUALS—COMPONENT SERVICE

Fundamentals of Service (FOS) Manuals cover basic theory of operation, fundamentals of troubleshooting, general maintenance, and basic type of failures and their causes. FOS Manuals are for training new personnel and for reference by experienced technicians.

MANUAL ORGANIZATION

Group 05 - SAFETY
Group 10 - GENERAL
Group 15 - OSCILLATING SUPPORTS
Group 20 - STANDARD INPUT QUILL
(1200 AND 1400)
Group 21 - INPUT HOUSING/COVER
(1600 AGRICULTURAL)
Group 22 - INPUT HOUSING/COVER
(1600 INDUSTRIAL AND OEM)
Group 23 - INPUT QUILL (1800)
Group 25 - AXLE DISCONNECT/INPUT HOUSING
Group 30 - DIFFERENTIAL (1200 AND 1400)
Group 31 - DIFFERENTIAL (1600)
Group 32 - DIFFERENTIAL, No-SPIN™
(1200 AND 1400)
Group 33 - DIFFERENTIAL, No-SPIN™
(1600)

Group 35 - FINAL DRIVE AXLE HOUSINGS
AND SHAFTS
Group 40 - SERVICE BRAKE
Group 45 - PARK BRAKE—DRUM-EXPANDING SHOE
Group 46 - PARK BRAKE—SAHR BRAKE
Group 100 - TROUBLESHOOTING
Group 105 - BRAKE INSPECTION, ADJUSTMENTS,
TEST, AND BLEEDING
Group 110 - OPERATIONAL CHECKS
Group 115 - DIFFERENTIAL AND AXLE
ASSEMBLY TESTS
Group 120 - THEORY OF OPERATION
Group 499 - DEALER FABRICATED TOOLS

No-SPIN is a trademark of the Dyneer Corporation

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NOTICE TO THE DEALER

This Component Technical Manual should be used for the repair of John Deere TEAMMATE™ I 1200, 1400, 1600, and 1800 Series Inboard Planetary Axles.

IMPORTANT: Before beginning repair or making adjustments, become familiar with *Axle Identification* and the *Axle Serial Number Plate*. (See *General—Group 10*.)

Discard CTM18 dated Aug 89

Introduction



Thank you very much
for your reading.
Please click here
to get more information.