

T M

John Deere 690DR Excavator With All Terrain Wheeled Undercarriage

Deere & Company
Moline, Illinois
Contract DLA700-89-C-8012
Excavator Wheel Mounted
690D RRR
S/N (531676-)
T. O. No. 36C37-2-3-24

Deere & Co.
Moline, Illinois 61265
Contract: DLA 700-89-C-8012
Excavator, Wheel Mounted
Model 690DRRR
Serial Number _____
T.O. Number _____

TMT124557



690DR EXCAVATOR TECHNICAL MANUAL TMT124557

SECTION AND GROUP CONTENTS

SECTION I—GENERAL INFORMATION

- Group I—Introduction and Safety Information
- Group II—Specifications
- Group III—Torque Values
- Group IV—Fuel and Lubricants
- Group V—Predelivery and After-Sale Inspection

SECTION 01—WHEELS

- Group 0110—Power Wheels and Fastenings

SECTION 02—AXLES AND SUSPENSION SYSTEMS (PROPEL)

- Group 0250—Axle Shaft, Bearings, and
Reduction Gears
- Group 0260—Hydraulic System

SECTION 04—ENGINE

- Group 0400—Removal and Installation

SECTION 05—ENGINE AUXILIARY SYSTEM

- Group 0505—Cold Weather Starting Aid
- Group 0510—Cooling Systems
- Group 0515—Speed Controls
- Group 0520—Intake System
- Group 0530—External Exhaust Systems
- Group 0560—External Fuel Supply Systems

SECTION 07—DAMPENER DRIVE (FLEX COUPLING)

- Group 0752—Elements

SECTION 16—ELECTRICAL SYSTEMS

- Group 1671—Batteries, Support and Cables
- Group 1672—Alternator, Regulator, and
Charging System Wiring
- Group 1673—Lighting System
- Group 1674—Wiring Harnesses and Switches

All information, illustrations and specifications contained in this technical manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.

Copyright © 1989
DEERE & COMPANY
Moline, Illinois
All rights reserved
A John Deere ILLUSTRATION® Manual

SECTION AND GROUP CONTENTS—Continued

SECTION 17—FRAME, CHASSIS, OR SUPPORTING STRUCTURE

- Group 1740—Frame Installation
- Group 1749—Chassis Weights

SECTION 18—OPERATOR'S STATION

- Group 1800—Removal and Installation
- Group 1810—Operator Enclosure
- Group 1821—Seat and Support
- Group 1830—Heating and Air Conditioning

SECTION 19—SHEET METAL AND STYLING

- Group 1910—Hood or Engine Enclosure

SECTION 32—DOZERS

- Group 3201—Blade
- Group 3240—Frames
- Group 3260—Dozer Hydraulics

SECTION 33—EXCAVATOR

- Group 3302—Buckets
- Group 3340—Frames
- Group 3360—Hydraulic System

SECTION 43—SWING ROTATION OR PIVOTING SYSTEM

- Group 4311—Brakes
- Group 4350—Mechanical Drive Elements
- Group 4360—Hydraulic System

SECTION 9005—OPERATIONAL CHECKOUT PROCEDURE

- Group 10—System Operational Checkout Procedure

SECTION 9010—ENGINE OPERATION AND TESTS

- Group 05—Theory of Operation
- Group 10—System Operational Checks
- Group 15—System Diagnostic Checks
- Group 20—Adjustments
- Group 25—Tests

SECTION 9015—ELECTRICAL SYSTEM OPERATION AND TESTS

- Group 00—Electrical System Operation and Tests

SECTION 9020—POWER TRAIN OPERATION AND TESTS

- Group 05—Theory of Operation
- Group 10—System Operational Checks
- Group 15—System Diagnostic Checks
- Group 20—Adjustments
- Group 25—Tests

SECTION 9025—HYDRAULIC SYSTEM OPERATION AND TESTS

- Group 05—Theory of Operation
- Group 10—System Operational Checks
- Group 15—System Diagnostic Checks
- Group 20—Adjustments
- Group 25—Tests

SECTION 99—DEALER FABRICATED TOOLS

- Group 9900—Fabricated Tools

INTRODUCTION

This manual is part of a total service support program.

FOS Manuals—reference

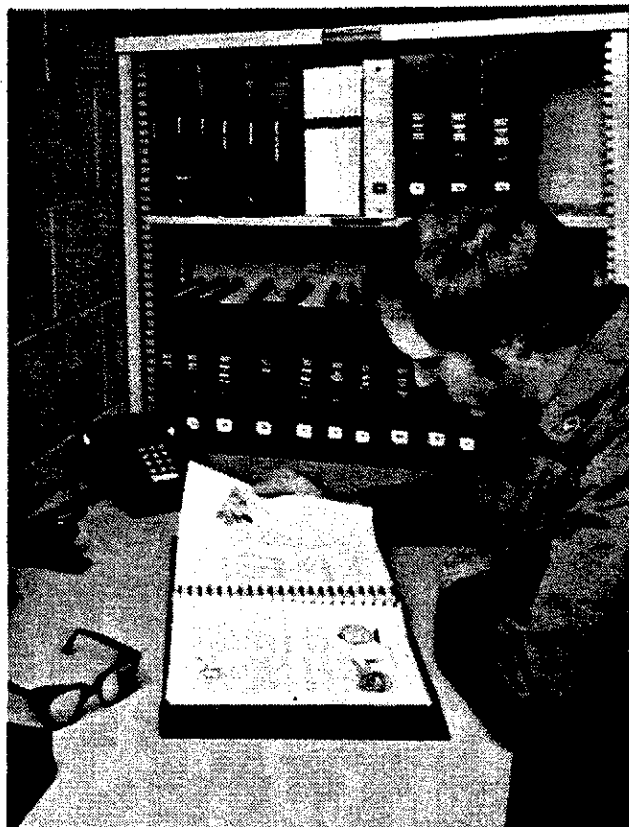
Technical Manuals—machine service

Component Manuals—component service

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

Technical Manuals are concise service guides for specific machines. Technical manuals are on-the-job guides containing only the vital information needed by an experienced service technician.

Component Technical Manuals are concise service guides for specific components. Component technical manuals are written as stand alone manuals covering multiple machine applications.



AB6;RW5559 053;INTRO2 030785

FEATURES OF THIS TECHNICAL MANUAL

John Deere ILLUSTRATION format emphasizing illustrations and concise instructions in easy-to-use modules.

Emphasis on diagnosis, analysis, and testing so you can understand the problem and correct it.

Diagnostic information presented with the most logical and easiest to isolate problems first to help you identify the majority of routine failures quickly.

Step-by-step instructions for teardown and assembly.

Summary listing at the beginning of each group of all applicable specifications, wear tolerances, torque values, essential tools, and materials needed to do the job.

An emphasis throughout on safety—so you do the job right without getting hurt.

This technical manual was planned and written for you—an experienced service technician. Keep it in a permanent binder in the shop where it is handy. Refer to it when you need to know correct service procedures or specifications.



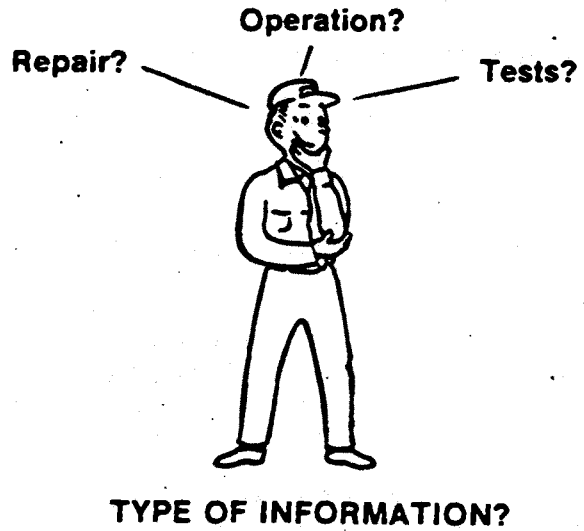
AB6;RW5560 053;INTRO3 071085

THREE-STEP PROCEDURE

Use the following three-step procedure to locate the desired information.

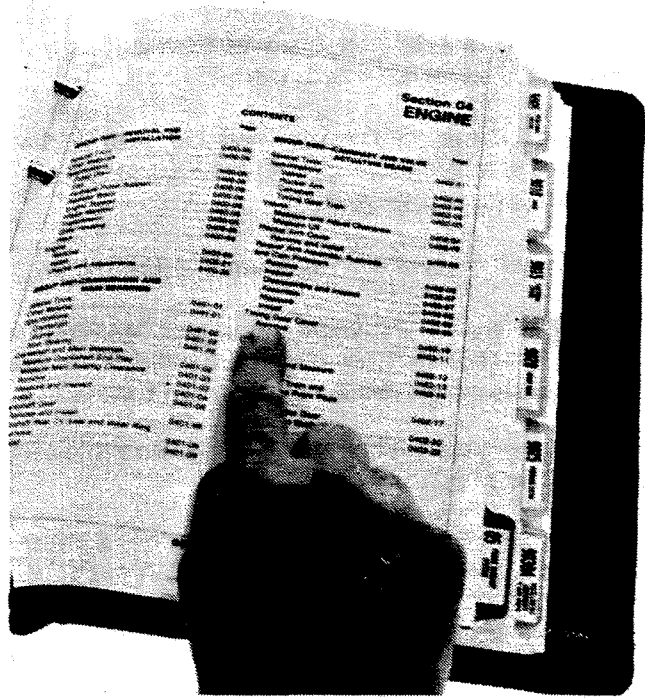
1. Determine the type of information you need. Is it repair, operation, or tests?
2. Go to the appropriate section tab:

Gray for Repair
Yellow for Operation or Tests



018;T5940AT T82;FLPD L 260785

3. Use the table of contents on the first page of the section to locate the information.



018;T5933AF T82;FLPD M 260785

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com