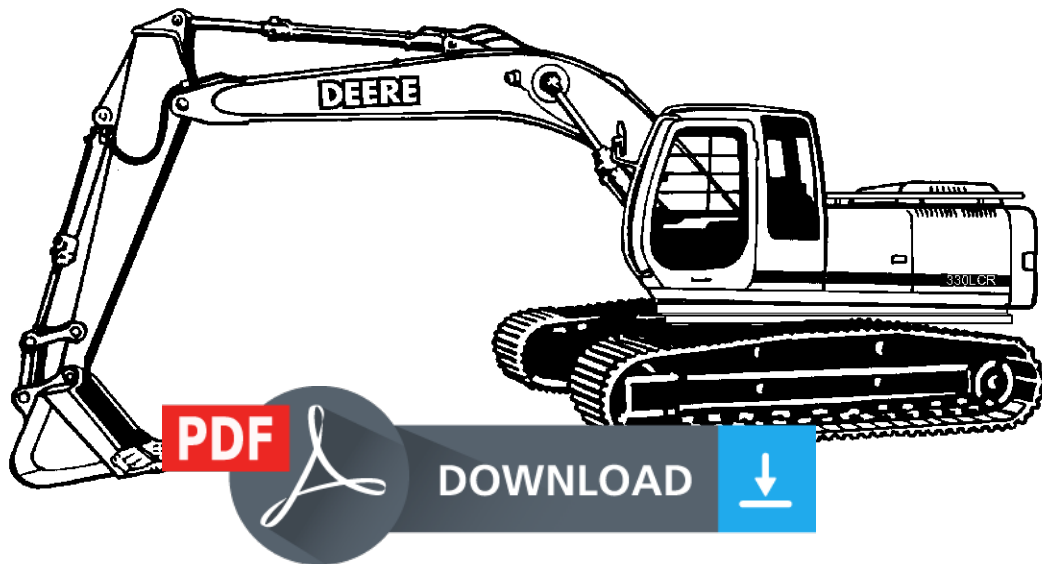


TECHNICAL MANUAL

UNIT, DIRECT SUPPORT
AND GENERAL SUPPORT MAINTENANCE MANUAL

HYDRAULIC EXCAVATOR
JOHN DEERE
MODEL 330LCR
NSN 3805-01-463-0805



DISTRIBUTION STATEMENT A - Approved for public release; distribution is unlimited.

Reproduced by permission of Deere & Company, Moline, IL © 2000.
All rights reserved.

INSERT LATEST UPDATED PAGES. DESTROY SUPERSEDED DATA.

LIST OF EFFECTIVE PAGES

Note: The portion of text or illustration affected by the updates is indicated by a vertical line in the outer margins of the page. Updates to wiring diagrams are indicated by shaded areas.

Dates of issue for original and updated pages are:

Original .. 0 .. 15 February 2000

TOTAL NUMBER OF PAGES IN THIS MANUAL IS 1966 CONSISTING OF THE FOLLOWING:

Page No.	*Revision No.	Page No.	*Revision No.	Page No.	*Revision No.
TM 5-3805-281-24-1		Foldout 17.....	0	TM 5-3805-281-24-2	
Cover.....	0	Foldout 18 blank.....	0	Cover	0
A.....	0	Foldout 19.....	0	A.....	0
B Blank.....	0	Foldout 20 blank.....	0	B blank.....	0
i — xxvii.....	0	Foldout 21.....	0	i — xv.....	0
xxviii blank.....	0	Foldout 22 blank.....	0	xvi blank.....	0
1-1 — 1-36.....	0	Foldout 23.....	0	11-1 — 11-431.....	0
2-1 — 2-44.....	0	Foldout 24 blank.....	0	11-432 blank.....	0
3-1 — 3-62.....	0	Foldout 25.....	0	12-1 — 12-45.....	0
4-1 — 4-182.....	0	Foldout 26 blank.....	0	12-46 blank.....	0
5-1 — 5-24.....	0	Foldout 27.....	0	13-1 — 13-3.....	0
6-1 — 6-292.....	0	Foldout 28 blank.....	0	13-4 blank.....	0
7-1 — 7-38.....	0	Foldout 29.....	0	14-1 — 14-11.....	0
8-1 — 8-9.....	0	Foldout 30 blank.....	0	14-12 blank.....	0
8-10 blank.....	0	Foldout 31.....	0	15-1 — 15-83.....	0
9-1 — 9-48.....	0	Foldout 32 blank.....	0	15-84 blank.....	0
10-1 — 10-74.....	0	Foldout 33.....	0	16-1 — 16-5.....	0
Foldout 1.....	0	Foldout 34 blank.....	0	16-6 blank.....	0
Foldout 2 blank.....	0	Foldout 35.....	0	17-1 — 17-59.....	0
Foldout 3.....	0	Foldout 36 blank.....	0	17-60 blank.....	0
Foldout 4 blank.....	0	Foldout 37.....	0	18-1 — 18-2.....	0
Foldout 5.....	0	Foldout 38 blank.....	0	19-1 — 19-214.....	0
Foldout 6 blank.....	0	Foldout 39.....	0	20-1 — 20-69.....	0
Foldout 7.....	0	Foldout 40 blank.....	0	20-70 blank.....	0
Foldout 8 blank.....	0	Foldout 41.....	0	21-1 — 21-52.....	0
Foldout 9.....	0	Foldout 42 blank.....	0	22-1 — 22-13.....	0
Foldout 10 blank.....	0	Foldout 43.....	0	22-14 blank.....	0
Foldout 11.....	0	Foldout 44 blank.....	0	A-1 — A-37.....	0
Foldout 12 blank.....	0	Foldout 45.....	0	A-38 blank.....	0
Foldout 13.....	0	Foldout 46 blank.....	0	B-1 — B-16.....	0
Foldout 14 blank.....	0	Foldout 47.....	0	C-1 — C-3.....	0
Foldout 15.....	0	Foldout 48 blank.....	0	C-4 blank.....	0
Foldout 16 blank.....	0	Foldout 49.....	0	Foldout 51.....	0
		Foldout 50 blank.....	0	Foldout 52 blank.....	0

*Zero in this column indicates an original page.

BLANK

**UNIT, DIRECT SUPPORT
AND GENERAL SUPPORT
MAINTENANCE MANUAL**

**HYDRAULIC EXCAVATOR
JOHN DEERE
MODEL 330LCR
NSN 3805-01-463-0805**

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this publication. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Submit your DA Form 2028-2 (Recommended Changes to Equipment Technical Publications), through the Internet, on the Army Electronic Product Support (AEPS) website. The Internet address is <http://aeeps.ria.army.mil>. If you need a password, scroll down and click on "ACCESS REQUEST FORM". The DA Form 2028 is located in the ONLINE FORMS PROCESSING section of the AEPS. Fill out the form and click on SUBMIT. Using this form on the AEPS will enable us to respond quicker to your comments and better manage the DA Form 2028 program. You may also mail, fax or email your letter, DA Form 2028, or DA Form 2028-2 direct to: Commander, U.S. Army Tank-automotive and Armaments Command, ATTN: AMSTA-LC-CI, Rock Island, IL 61299-7630. The email address is AMSTA-LC-CI@ria.army.mil. The fax number is DSN 793-0726 or Commercial (309) 782-0726.

DISTRIBUTION STATEMENT A - Approved for public release; distribution is unlimited.

TABLE OF CONTENTS

TM 5-3805-281-24-1

			Page
Chapter 1	Section 9000	General Information	
	01	Safety.....	1-1
		Follow Safe Procedures.....	1-1
		Prepare for Emergencies	1-1
		Handle Fluids Safely—Avoid Fires	1-1
		Prevent Battery Explosions	1-2
		Handle Chemical Products Safely	1-2
		Prevent Acid Burns	1-3
		Avoid High-Pressure Fluids	1-4
		Warn Others of Service Work	1-4
		Park Machine Safely	1-5
		Support Machine Properly.....	1-5
		Operate Only From Operator’s Seat.....	1-5
		Stay Clear of Moving Parts	1-6
		Avoid Power Lines.....	1-6
		Use Handholds and Steps	1-6
		Keep Riders Off Machine.....	1-7
		Move and Operate Machine Safely	1-7

TABLE OF CONTENTS (Continued)

Page

	Wear Protective Clothing	1-7
	Protect Against Flying Debris	1-8
	Protect Against Noise.....	1-8
	Illuminate Work Area Safely.....	1-8
	Service Machines Safely	1-8
	Remove Paint Before Welding or Heating	1-9
	Avoid Heating Near Pressurized Fluid Lines	1-9
	Beware of Exhaust Fumes	1-10
	Use Proper Lifting Equipment.....	1-10
	Service Cooling System Safely	1-10
	Dispose of Waste Properly	1-11
	Work in a Clean Area	1-11
	Use Tools Properly.....	1-12
	Replace Safety Signs.....	1-12
	Live With Safety	1-12
	Battery Terminals, Lifting Equipment, Dry Cleaning Solvent and Compressed Air	1-13
02	General Specifications.....	1-14
03	Torque Values.....	1-15
	Unified Inch Bolt and Cap Screw Torque Values	1-15
	Metric Bolt and Cap Screw Torque Values.....	1-16
	Additional Metric Cap Screw Torque Values	1-17
	Check Oil Lines and Fittings.....	1-18
	Service Recommendations for O-Ring Boss Fittings.....	1-19
	Service Recommendations for Flat Face O-Ring Seal Fittings	1-21
	Service Recommendations for 37° Flare and 30° Cone Seat Connectors	1-22
	Service Recommendations for Flared Connections— Straight or Tapered Threads	1-23
	Service Recommendations for Inch Series Four Bolt Flange Fitting	1-24
	Service Recommendations for Metric Series Four Bolt Flange Fitting....	1-26
04	Fuels and Lubricants.....	1-27
	Diesel Fuel	1-27
	Lubricity of Diesel Fuels.....	1-28
	Low Sulfur Diesel Fuel Conditioner	1-28
	Diesel Fuel Storage	1-29
	Fuel Tank	1-29
	Do Not Use Galvanized Containers	1-30
	Diesel Engine and Pump Gearbox Oils.....	1-31
	Hydraulic Oil.....	1-32
	Swing Gearbox and Propel Gearbox Oils.....	1-33
	Track Roller, Front Idler, and Carrier Roller Oil	1-33
	Track Adjuster, Working Tool Pivot, Swing Bearing, and Swing Bearing Gear Grease.....	1-34
	Oil Filters	1-34
	Lubricant Storage	1-35
	Alternative and Synthetic Lubricants	1-35
	Mixing of Lubricants.....	1-36

Chapter 2 Section 9005 Operational Checkout Procedure

10	Operational Checkout Procedure	2-1
	Operational Checkout.....	2-1
	Operator Station Checks—Key Switch On, Engine Off	2-2
	Operator Station Checks—Engine On.....	2-5
	Hydraulic System Checks	2-12
	Undercarriage Checks	2-20



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