

CX50, CX60, CX70, CX80, CX90 and CX100 Tractors

Service Manual Don 7-71427

Table of Contents

	Section	Pub. No.
1 GENERAL		
Loctite Product Chart		8-98902
How it Works	1	7-70810
Safety Rules, General Information and Torque Specifications.....	1001	8-86531
General Specifications and Torques	1002	7-71854
Special Tools	1005	7-71865
2 ENGINE		
How it Works	2	7-70820
Engine Removal and Installation	2001	7-73780
NOTE: For Service and Overhaul procedures refer to your Engine Service Manual 7-71721.		
3 FUEL SYSTEM		
Fuel Tank Removal and Servicing.....	3005	7-72610
NOTE: For Service and Overhaul procedures refer to your Engine Service Manual 7-71721.		
4 ELECTRICAL		
How it Works and Electrical Schematics	4001	7-70200
Instrument Cluster Programming and Troubleshooting.....	4002	7-71332
Battery Servicing and Testing.....	4004	7-73210
5 STEERING		
Steering Column and Hand Pump.....	5001	7-72042
2WD Steering Cylinder	5002	7-71291
2WD Front Axle	5003	7-72001
6 TRANSMISSION		
How it Works	6	7-70830
Separating the Tractor (between Engine and Speed Transmission).....	6001	7-71890
Engine Clutch and Master Cylinder	6002	7-71900
Powershift and Forward/Reverse		
Transmission Servicing	6003	7-71921
Creep Transmission Servicing.....	6004	7-73490
8 Speed Transmission Servicing	6005	7-71270
Synchronizer Speed Transmission Servicing	6006	7-71930
Range Transmission Servicing (2WD)	6008	7-73740
Range Transmission Servicing (MFD).....	6009	7-71791
Rear Axles	6010	7-71110

... continued

NOTE: Information contained in this Manual may cover features that are not available in all markets worldwide.

CASE CORPORATION
700 State Street
Racine, WI 53404 U.S.A.

CASE CANADA CORPORATION
3350 South Service Road
Burlington, ON L7N 3M6 CANADA

Don 7-71437

Copyright © 2000 Case Corporation
Printed in U.S.A.
February 1998 (Revised October 2000)

MFD Transfer Gearbox, Drive Shaft and Parking Brake	6011	7-71310
Differential	6012	7-71120
Differential - from Transmission Serial Number JKA412637 and Creep Transmissions	6012	7-73760
PTO	6013	7-71130
Shiftable PTO	6014	7-71150
Front PTO	6015	7-71170
MFD Axle - up to Axle Serial Number 37835	6021	7-39121
MFD Axle - from Axle Serial Number 37836	6021	7-71190
7 BRAKES		
How it Works	7	7-70840
Service Brakes and Master Cylinder	7001	7-73770
Parking Brake (2WD)	7002	7-70970
Hydraulic Trailer Brake	7004	7-73750
8 HYDRAULICS (see note ** for this section)		
How it Works	8	7-70850
How to Read Symbols in a Hydraulic Schematic	8000	8-94372
Hydraulic Troubleshooting and Schematic	8001	7-71951
Filter Manifold and Main Hydraulic Pump	8002	7-71960
Steering Hydraulic Pump	8003	7-70980
Regulator Valve	8004	7-72030
Differential Lock Cylinder and Solenoid	8005	7-71660
Unloading Valve	8006	7-71670
Remote Valves	8007	7-71680
Hitch Valve and EDC Manifold	8009	7-71971
Hydraulic Housing and Lift Cylinder	8010	7-71370
Front Hitch	8011	7-71690
9 CHASSIS AND MOUNTED EQUIPMENT		
Pedal, Lever and Switch Adjustments	9001	7-72054
Air Conditioner System Component Servicing	9005	7-70740
Cab Removal and Tilting the Cab Roof	9006	7-71990
Cab Mountings	9008	7-73470
9 CONTROLLER SYSTEMS		
Calibration, Error Codes, Troubleshooting and Schematics (Tractors not equipped with Ride Control)	10002	7-74440
Calibration, Error Codes, Troubleshooting and Schematics (Tractors equipped with Ride Control)	10002	7-74450
Programming the Hitch/MFD/Differential Lock Controller	10010	7-74350

NOTE **

Please include section 8008 (7-71980) in this manual.

Section

1

GENERAL

How it Works



GENERAL OVERVIEW

The CX Series tractors are built in the Case factory at Doncaster, England. These machines are marketed in Europe, North America and in all other export markets served by the company. The tractors are available with two types of safety cabs, the delux cab or the low profile cab.

The range begins with the CX 50 which delivers 50 h.p. (37 Kw) and extends to the CX100 delivering 100 h.p. (74 KW).

Engines

The engines used in these tractors are Case 900 and 1000 Series which are produced in England. The CX50 and CX60 tractors use the three cylinder 900 Series and the CX70, CX80, CX90 and CX100 use the four cylinder 1000 Series engines.

The engines in the CX60 and CX80 are turbocharged, the engines in the CX90 and CX100 have Wastegate turbochargers.

MODELS	CX50	CX60	CX70	CX80	CX90	CX100
No. of Cyl	3	3	4	4	4	4
Max Power PS/KW	50/37	60/44	70/52	80/59	90/66	100/74
Intake Aspiration	Naturally Aspirated	Turbo	Naturally Aspirated	Turbo	Wastegate Turbo	Wastegate Turbo
Rated Speed	2250	2250	2200	2200	2200	2200
Max Torque Nm/ rpm	177/1200	222/1400	271/1400	325/1400	355/1400	402/1400
Torque Rise %	13	19	21	27	24	25
Optimum Fuel Consumption g/kw/h	214	216	214	217	216	210
Fuel Tank Capacity Ltr	155	155	155	155	155	155

Transmission

The fully synchromesh transmission used in these tractors has sixteen forward and eight reverse gears with a forward and reverse synchromesh shuttle and a two speed powershift. In addition the transmission is available as 30 or 40 Kph maximum speed and two or four wheel drive.

A dry single plate diaphragm clutch is used on all models.

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