



680H LOADER BACKHOE

TABLE OF CONTENTS

DIVISION/SECTION	SECTION NO.	FORM NO.
1 - GENERAL		
Safety Rules, Service Manual Introduction, and Torque Specifications	1001	9-69300
Maintenance and Lubrication	1002	9-69300
General Engine Specifications	1010	8-23130
Detailed Engine Specifications - 336BD Engines	1023	9-78647
2 - ENGINES		
Engine Diagnosis - See Section 2201		
Engine Tune-Up	2002	8-23140
Engine Stall Tests	2003	9-69300
Engine Removal and Installation	2004	9-69301
Engine Accessories (Air cleaner, muffler, exhaust pipe, radiator, cold start system)	2005	9-69300
Cylinder Head, Valve Train, and Camshaft	2015	8-23150
Cylinder Block, Sleeves, Pistons, and Rods	2025	8-23160
Crankshaft, Main Bearings, Flywheel, and Oil Seals	2035	8-23170
Lubrication System with Two Gear Balancer and Oil Pump	2047	8-23180
Cooling System	2055	8-23190
Engine Diagnosis	2201	8-20110
Reconditioning Engine Cylinder Block	2290	8-21170
3 - FUEL SYSTEM		
Fuel System and Filters	3010	9-75297
Robert Bosch Fuel Injection Pumps	3012	9-74937
17 mm Fuel Injectors	3213	8-20240
Fuel Lines, Fuel Tank, and Engine Controls	3052	9-69300
Electric Fuel Pump	3053	9-69300
4 - ELECTRICAL		
Electrical System Troubleshooting	4002	9-69301
Wiring Diagrams	4003	9-69301
Batteries	4005	9-69301
Starter	4006	9-69300
Alternator	4007	9-69300
Instrument Cluster and Instrument Panel	4009	9-69300
5 - STEERING		
Steering System Troubleshooting	5002	9-69300
Steering Control Valve and Steering Column	5007	9-69300
Steering Cylinders	5010	9-69300
Relief Valve and Check Valve	5011	9-69300
Front Axle	5021	9-69300

DIVISION/SECTION

SECTION NO.

FORM NO.

6 - POWER TRAIN

General Transmission Information and Troubleshooting	6202	9-69301
Transmission	6210	9-69301
Transmission Controls	6211	9-69300
Drive Shaft	6222	9-69300
Differential and Planetaries	6226	9-69301
Wheels and Tires	6229	9-69300

7 - BRAKES

Troubleshooting and General Information for the Air System	7102	9-69300
Air Compressor and Governor	7103	9-69301
Air Reservoir and Relief Valve	7104	9-69300
Brake Valves (Treadles)	7105	9-69300
Brake Actuators	7107	9-69300
Alcohol Evaporator	7111	9-69300
Pressure Reducer Valve, Pressure Protection Valve, Double Check Valve, Control Valves for Clutch Cutout and Stoplamp Switch	7113	9-69300
Brakes and Brake Adjusters	7123	9-69300
Parking Brake Control Valve and Quick Release Valve	7126	9-69300

8 - HYDRAULICS

Hydraulic System Diagrams, Maintenance, Troubleshooting, and Pressure Checks	8002	9-69300
Cleaning the Hydraulic System	8003	9-69300
Hydraulic Pump	8005	9-69300
Flow Control Valve	8006	9-69300
Loader Control Valve	8007	9-69300
Loader and Backhoe Cylinders	8090	9-69300
Backhoe Relief Valve	8106	9-69301
Backhoe Control Valve	8107	9-69300
Stabilizer Control Valve	8109	9-69300
Boom Lock System	8121	9-69300

9 - MOUNTED EQUIPMENT

Air Conditioning Troubleshooting	9002	9-69300
Air Conditioning System	9003	9-69301
Loader	9010	9-69300
Cab and Canopy	9061	9-69300
Operators Seat and Seat Belts	9064	9-69300
Backhoe	9100	9-69301
Decals and Painting	9201	9-69300
Noise Control	9203	9-69300

Section 1001

SAFETY RULES SERVICE MANUAL INTRODUCTION AND TORQUE SPECIFICATIONS

Written In *Clear
And
Simple
English*

SERVICE MANUAL INTRODUCTION

This service manual has been prepared with the latest service information available. Troubleshooting, removal, disassembly, inspection and installation procedures, and complete specifications and tightening references can be found in most sections. Some sections have drawings with a written procedure because the job is so easily done. This service manual is one of the most important tools available to the service technician.

Right-Hand and Left-Hand

The terms right-hand and left-hand and front and rear as used in this manual indicate the right and left sides, and front and rear of the machine as seen from the operator's seat for correct operation of the machine or attachment.

Text

If the service manual is for more than one machine or different models of components (planetary axles, gear boxes, control valves, etc.) the procedures have the steps necessary to service each model.

Table of Contents

A Table of Contents is in the front of this manual. The Table of Contents shows the main divisions and the sections that are in each division. The individual sections, where necessary, have a Table of Contents on the second page of that section.

Page Numbers

All page numbers are made of two numbers separated by a dash, such as 4002-9. The number before the dash is the section number. The number following the dash is the page number in that section. Page numbers will be found at the upper right or left of each page.

Illustrations

Illustrations are put as near as possible to the text and are to be used as part of the text.

Torque Specifications

The most common grades of fasteners (bolts, nuts, and screws) used on Case machines are grade 5 and grade 8. See page 1001-6 for torque specifications and identification marks.

The specifications in this section are standard torque values and are to be used on all fasteners during assembly and installation unless special torque values are shown in a section.

P.I.N., Serial and Model Numbers

When replacement parts are needed, it can be necessary to give the parts department one or all of the numbers. The model number is normally found on the Product Identification Number plate or Serial Number plate.

The Product Identification Number (P.I.N.) and serial numbers will be found in the following locations.

Machine - The Product Identification Number plate is above the foot brake pedals.

Engine - A serial number plate is on the right-hand side of the engine above the starter.

Components - A serial number plate is on many components such as starters, alternators, pumps, etc.

Classification of Lubricants

The SAE number is the viscosity of engine oils; for example, SAE 30, a single viscosity oil. SAE 10W30 is a variable viscosity oil.

The API classification (SD, CD, etc.) is the oil performance in terms of engine usage. Only oil specified in Section 1002 can be used. These oils have the needed chemical additives to give maximum engine protection. Both the SAE grade and API classification must be found on the container.

Gear Lubricant and Grease

Gear lubricant and grease for each application is specified in Section 1002.

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