

[Click here to get the complete manual](#)

# DL420

Shop Manual

950106-00009E

Serial Number 5001 and Up

DOOSAN reserves the right to improve our products in a continuing process to provide the best possible product to the market place. These improvements can be implemented at any time with no obligation to change materials on previously sold products. It is recommended that consumers periodically contact their distributors for recent documentation on purchased equipment.

This documentation may include attachments and optional equipment that is not available in your machine's package. Please call your distributor for additional items that you may require.

Illustrations used throughout this manual are used only as a representation of the actual piece of equipment, and may vary from the actual item.

**DL420**

Serial Number 5001 and Up

Pub.No. 950106-00009E

**Product Label** 

**Instructions**

**Trim Out The Label Along  
The Lines And Insert Into  
Pocket On The Binder Spine**

# Table of Contents

## Safety

Wheel Loader Safety.....	SP002004
--------------------------	----------

## Specifications

Specification for DL420.....	SP002005
------------------------------	----------

## General Maintenance

General Maintenance Procedures .....	SP000097
Standard Torques .....	SP000098

## Engine

QSM11 Engine.....	SP001669
-------------------	----------

## Drive Train

Transmission and Torque Converter (ZF 4WG-260-4).....	SP002033
Transmission Error Codes (ZF).....	SP000100
Front Axle (ZF - MT-L 3105).....	SP000101
Rear Axle (ZF - MT-L 3095).....	SP000107
Drive Shaft.....	SP000119

## Brake

Service Brake.....	SP002006
Brake Supply Valve.....	SP002007
Parking Brake .....	SP000122
Brake Pedal Valve.....	SP000123
Accumulator.....	SP002008

## Steering

Steering Unit.....	SP002009
--------------------	----------

Flow Amplifier .....	SP000126
Emergency Steering .....	SP002018

**Frame**

Articulation Center .....	SP002010
Counterweight.....	SP000130

**Tank**

Oil Tank.....	SP002011
Fuel Tank.....	SP002012

**Hydraulics**

Main Control Valve.....	SP000144
Load Isolation System.....	SP002013
Cooling System.....	SP002014
Pilot System.....	SP002015
Hydraulic Schematic (DL420) .....	SP002016

**Electrical System**

Air Conditioner .....	SP000172
Electrical System .....	SP002032
Electrical Schematic (DL420).....	SP002017