

# **DX190W**

Shop Manual

K1024513AE

Serial Number 5001 and Up



# Table of Contents

## Safety

Wheel Excavator Safety .....	SP000956
------------------------------	----------

## Specifications

Specification for DX190W .....	SP001143
--------------------------------	----------

## General Maintenance

General Maintenance Procedures .....	SP000016
Standard Torques .....	SP000813

## Upper Structure

Cabin .....	SP001231
Counterweight.....	SP001145
Fuel Tank.....	SP001146
Fuel Transfer Pump .....	SP000021
Swing Bearing.....	SP001253
Swing Reduction Gear.....	SP001233

## Lower Structure and Chassis

Ram Lock Valve.....	SP000923
Selector Valve.....	SP000926
Double Pilot Check Valve .....	SP000927
Solenoid Valve.....	SP000928
Front Axle .....	SP000929
Rear Axle.....	SP000930

## Engine and Drive Train

Transmission .....	SP000962
Drive Coupling (Main Pump).....	SP000963

## Hydraulics

Hydraulic System Troubleshooting, Testing and Adjustment .....	SP001149
Accumulator.....	SP000984
Center Joint (Swivel).....	SP000919
Cylinders.....	SP001098
Main Control Valve .....	SP000966
Swing Motor.....	SP000985
Travel Motor.....	SP001110
Counterbalance Valve .....	SP000991
Main Pump & PTO.....	SP000988
Gear Pump .....	SP000989
Service Brake Supply Valve .....	SP000990
Dozer Control Valve.....	SP000992
Steering Valve .....	SP000993
Accelerator Pedal Valve (Hydraulic) .....	SP000964
One Spool Valve.....	SP000996
Remote Control Valve (Work Lever / Joystick) .....	SP000069
Breaker EPPR Valve (Opt) .....	SP000192
Service Brake Pedal Valve .....	SP001006
Solenoid Valve Assembly .....	SP000997
Hydraulic Schematic.....	SP001160

## Electrical System

Electrical System .....	SP000998
Electrical Schematic .....	SP001161

## Attachments

Boom and Arm.....	SP001162
Bucket.....	SP001001

# Safety



# Wheel Excavator Safety

Edition 1

---

**MEMO**

---



# Table of Contents

## Wheel Excavator Safety

Safety Precautions .....	5
Applicable Models .....	5
To the Operator of a DOOSAN Excavator.....	6
General Safety Essentials .....	10
Location of Safety Labels .....	11
Summary of Safety Precautions for Lifting in Digging Mode .....	12
Unauthorized Modifications .....	13
General Hazard Information .....	13
Before Starting Engine .....	22
Machine Operation .....	26
Maintenance .....	32
Battery .....	40
Towing .....	42
Shipping and Transportation .....	43
Lifting with Sling.....	43

**Please Click Here To Download The Complete Manual**  
**Download Other Manuals**  
**If Having Any Questions Feel Free To Contact us**

**[admin@servicemanualbit.com](mailto:admin@servicemanualbit.com)**