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Excavator Hydraulic System Fault Diagnosis Training

Simulator

PN: 0401050010



Excavator Hydraulic System Fault Diagnosis Training Simulator

Features

- 1.Small size, easy operation and comprehensive applicability.
- 2.Overload protection and remote manipulation.
- 3.The bench is made of cold-rolled steel,compact and firmness.
- 4.This education excavator is made in accordance with the physical structure but reduced scale to demonstrate the actual conditions of a hydraulic excavator and to make students understand the excavator hydraulic system and training in practice.
- 5.Three experimental control mode:mechanical, electric and PLC.
- 6.This education unit is effective to educate the troubleshooting and inspection theory and training.

Excavator Hydraulic System Fault Diagnosis Training Simulator

Typical Training Contents

- 1.To learn structure and working principle of a hydraulic excavator transmission system.
- 2.To disassemble and assemble a hydraulic excavator
- 3.To operate a hydraulic excavator

- 4.To demonstrate the control of a hydraulic excavator
- 5.Mechanical control experiments of a hydraulic excavator
- 6.Electric control experiments of a hydraulic excavator
- 7.PLC control experiment of a hydraulic excavator
- 8.Mechanical-electro-hydraulic three in one control experiment.
- 9.Hydraulic line inspection and check.

Excavator Hydraulic System Fault Diagnosis Training Simulator

The Main Technical Parameters

- 1.Power:0.75KW
- 2.Rate pressure:7Mpa
- 3.Cylinder velocity:0-10M
- 4.Swing Speed:3circles/min
- 5.Size : approx.760 X 1,580 X 1,500 mm
- 6.Weight : approx. 380 kg

Excavator Hydraulic System Fault Diagnosis Training Simulator

Main Configuration

Nos	Name	Specification	Qty
1	DC Relief Valve		3
2	Throttle Valve		1
3	Three position four way electromagnetic valve		2
4	Three position four way manual valve		2
5	Stacking hydraulic lock		4
6	Big boom cylinder		2
7	Steering cylinder		2
8	Bucket cylinder		1
9	Hydraulic Steering		1
10	Hydraulic meter	10MPa	3
11	PLC	FX1S-20MR	1
12	Motor pump	0.75Kw.8ml/rev	1

*Products and configuration list described herein are subject to changes without notice.

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Excavator Hydraulic System Fault Diagnosis Training Simulator Wireless Control

PN: 0401050020



Excavator Hydraulic System Fault Diagnosis Training Simulator Wireless Control Features

- 1.Wireless control and wireless acquisition
- 2.The bench is made by cold-rolled steel with after spray, anti-corrosion treatment.
- 3.This education excavator is made in accordance with the physical structure of a hydraulic excavator but reduced scale to demonstrate the actual conditions of a hydraulic excavator and to make students understand the excavator hydraulic system and training in practice.
- 4.The moving unit is used of industrial-type rubber track and hydraulic rotary head.

- 5.This education unit can truly demonstrate the working process of the physical machine.
- 6.This education unit is effective to educate the troubleshooting and inspection theory/training.

Excavator Hydraulic System Fault Diagnosis Training Simulator Wireless Control Typical Training Contents

- 1.To understand the mechanical structure and component of a hydraulic excavator.
- 2.To Understand the hydraulic working principles of a hydraulic excavator.
- 3.Wireless control of a hydraulic excavator.
- 4.To Understand the electrical system of a hydraulic excavator.
- 5.To understand the hydraulic system of hydraulic excavator.
- 6.To operate a hydraulic excavator under wireless control
- 7.Hydraulic line inspection and check
- 8.Hydraulic system fault diagnosis and analysis
- 9.Electrical fault diagnosis and analysis

Excavator Hydraulic System Fault Diagnosis Training Simulator Wireless Control The main technical parameters

- 1.Motor power: 1.5KW
- 2.Motor speed: 1,450r / min
- 3.Pump rated pressure: 7Mpa
- 4.Dimensions:
arm stretch: 2610 × 800 × 1090mm
Turning radius: front 2000mm,back 600mm

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Excavator Hydraulic System Fault Diagnosis Trainer

PN: 0401050030



Excavator Hydraulic System Fault Diagnosis Trainer

Features

- 1.This education excavator is made in accordance with the physical structure of a hydraulic excavator to demonstrate the actual conditions of a hydraulic excavator and to make students understand the excavator hydraulic system and training in practice.
- 2.This education unit can truly demonstrate the working process of the physical machine.
- 3.This education unit is effective to educate the troubleshooting and inspection theory/training.

Excavator Hydraulic System Fault Diagnosis Trainer

Typical Training Contents

Cognitive Experimental Content

- 1.To understand the mechanical structure and component of hydraulic excavator.
- 2.To understand the hydraulic working principles of hydraulic excavator.

3. Hydraulic excavator survey and draw operations.
4. To understand the electrical system of hydraulic excavator.
5. To understand the hydraulic system of hydraulic excavator.
6. To operate a hydraulic excavator
7. Hydraulic line inspection and check
8. Hydraulic system fault diagnosis and analysis
9. Electrical fault diagnosis and analysis

Excavator Hydraulic System Fault Diagnosis Trainer

The Main Technical Parameters

1. Motor power: 3.75KW
2. Motor speed: 1420r / min
3. Pump rated pressure: 7Mpa
4. Pump rated flow: 20ml / rev
5. Dimensions:
 - (A) excavation arm stretch: 2600 × 1000 × 1400mm
 - Turning radius: 1900mm
 - (B) excavation arm retracts: 1900 × 1000 × 1400mm
 - Turning radius: 1200mm