



CLICK ANYWHERE FOR MORE DETAILS

MANUAL PREVIEW

JENSALES

Satoh
Operator's Manual
Buck

purchase full manual at

Operator's Manual

JENSALES.COM
or Call 800-443-0625



CLICK ANYWHERE FOR MORE DETAILS

THIS IS A MANUAL PRODUCED BY JENSALES INC. WITHOUT THE AUTHORIZATION OF SATOH OR IT'S SUCCESSORS. SATOH AND IT'S SUCCESSORS ARE NOT RESPONSIBLE FOR THE QUALITY OR ACCURACY OF THIS MANUAL.

TRADE MARKS AND TRADE NAMES CONTAINED AND USED HEREIN ARE THOSE OF OTHERS, AND ARE USED HERE IN A DESCRIPTIVE SENSE TO REFER TO THE PRODUCTS OF OTHERS.

SA-O-BUCK

SATOH

CLICK ANYWHERE FOR MORE DETAILS

BUCK

Model S-470 & S-470D

With 3-cylinder K3B Diesel Engine

MANUAL PREVIEW

INSTRUCTION BOOK

JENSALES[®]

purchase full manual at

JENSALES.COM

or Call **800-443-0625**

SATOH AGRICULTURAL MACHINE MFG. CO., LTD.

6-3 3-CHOME, KANDA KAJI-CHO, CHIYODA-KU,
TOKYO, JAPAN

CLICK ANYWHERE FOR MORE DETAILS

PUBLICATION No. S-470-1

INTRODUCTION

Equipped with a 3-cylinder, 18.5 HP diesel engine, the SATOH S-470 and S-470D tractors are, respectively, 2-wheel and 4-wheel drive type farm tractors with big capacity, high quality performance and outstanding durability providing increased economy.

Making the best use of long experiences and the latest technology of the SATOH engineers, the S-470 and S-470D are built sturdy and rugged in all their components which consist of unsurpassed and precision machined parts. The careful assembling work coupled with quite severe performance test and strict quality control makes assurance of high quality and top performance for the S-470 and S-470D.

This instruction manual contains information on the operation, lubrication and maintenance of your SATOH tractor. The information contained is comprehensive and essential, and is designed to assist you, even if unexperienced, in utilizing your tractor.

How well your SATOH tractor continues to give satisfactory performance depends greatly upon the manner in which it is operated. It is, therefore, requested that this manual be read carefully and kept ready for use so that the operation and maintenance services will properly be carried out in order to keep the tractor in top mechanical condition at all times.

Should any information as to your tractor be required, consult your SATOH dealer or distributor stating the machine and engine serial numbers of the tractor concerned.

We are sure you will be happy with SATOH tractor.

JENSALES.COM

or Call **800-443-0625**

Tractor Serial No.

Engine Serial No.

CLICK ANYWHERE FOR MORE DETAILS

CONTENTS

CLICK ANYWHERE FOR MORE DETAILS

Safety Precautions	
Introduction	
Treatment of a New Tractor	1
50-Hour Service	1
External View and Nomenclature of Each Part	2

SECTION 1. OPERATION

Starting and Stopping the Engine	6
Starting	6
Starting in Cold Weather	7
Important	7
Stopping	8
Instruments and Controls	8
Tractor Meter	8
Oil Pressure Warning Lamp	9
Battery Charge Warning Lamp	9
Water Temperature Warning Lamp	9
Light Switch	9
Safety Starter Switch	10
Glow Plug	10
Glow Signal Lamp	11
Speed Control Lever	11
Foot Throttle	11
Clutch	12
Brake	12
Parking Brake	13
8-Speed Transmission	14
Differential Lock	14
Engaging the Differential Lock	15
Releasing the Differential Lock	15
Power Take-Off	15
4-wheel Drive Shift Lever	16
Operator's Seat	17
Tool Box	17
Rear Tread Adjustments	17
2-wheel Drive and 4-wheel Drive	17
Important	17
Rear Wheel Installation	18
Ballast Weight	18

MANUAL PREVIEW

JENSALES®

purchase full manual at

JENSALES.COM

or call 800-443-0625

CLICK ANYWHERE FOR MORE DETAILS

Tire Pressure	19
3-Point Linkage	19
Hydraulic System	20
Lift	20
Down	21
Hold	21
Flow Control Knob	21
Installing the External Hydraulic Adapter (Optional)	21
Hydraulic External Service	22
Drawbar	23
PTO Guard	23
Front PTO (Optional)	23
Vertical Exhaust (Optional)	23

SECTION 2. REGULAR MAINTENANCE

Service Schedule	24
Service Schedule Chart	25
Daily Inspection	25
A-Service (Every 50 hours of operation)	26
50 Hours Service for a New Tractor	26
50 Hours Service for a Tractor that is not New	26
B-Service (Every 100 hours of operation)	27
C-Service (Every 300 hours of operation)	27
D-Service (Every 600 hours of operation)	28
Recommended Lubricant and Fuel	29
Maintenance Interval Chart	30
Maintenance Chart	31

SECTION 3. SERVICE INFORMATION

Precautions to be taken in Cold Weather	32
Antifreeze	32
Fuel System Air Bleeding	33
Fuel Filter Air Bleeding	33
Fuel Pump Air Bleeding	34
Fuel Pipe Air Bleeding	34
Engine Oil Replacement	35
Injection Nozzle Inspection	35
Cylinder Head Bolt Tightening	36
Valve Clearance Adjustment	36
Valve Clearance Adjustment Procedure	37
Cooling System	37
Air Cleaner	38
Engine Oil Filter Replacement	39

CLICK ANYWHERE FOR MORE DETAILS

MANUAL PREVIEW

JENSALES®

purchase full manual at

JENSALES.COM

or Call 800-443-0625

CLICK ANYWHERE FOR MORE DETAILS

Fuel Filter Element Replacement	40
Transmission Case Oil Replacement	41
Replacement of 4-wheel Drive Front Axle Oil	42
Differential case oil and king pin gear case oil	42
Clean-Up Hydraulic Oil Filter	43
Clutch Pedal Adjustment	44
Free Play Adjustment	44
Brake Pedal Adjustment	44
Free Play Adjustment	44
Throttle Lever Adjustment	45
Foot Throttle Pedal Adjustment	46
Fan Belt Tension Adjustment	47
Differential Lock Pedal Adjustment	47
Hydraulic Control Adjustment	48
Flow Control Knob	49
Hydraulic Pump Relief Valve	49
External Hydraulic Service	49
Front Axle Center Pin and Front Hub	50
Battery	50
AC Generator	51
Starter Motor	52
Regulator	52
Glow Plug	53
Fuse	53
Safety Starter Switch Adjustment	53
Wiring Diagram	55

SECTION 4. SPECIFICATIONS AND DATA

Tractor Model	56
Engine	56
Cooling System	56
Fuel Equipment	56
Lubrication System	57
Air Cleaner	57
Governor	57
Electrical System	57
Chassis	57
Dimension	57
Clutch	58
Transmission	58
Power Take Off	58
Brake	58

JENSALES.COM
or Call 800-443-0625

CLICK ANYWHERE FOR MORE DETAILS

CLICK ANYWHERE FOR MORE DETAILS

MANUAL PREVIEW

JENSALES®

purchase full manual at

Steering	58
Hydraulic System	59
3-Point Linkage	59
Drawbar	59
Tire	60
Travelling Speed	60
Capacity	61

CLICK ANYWHERE FOR MORE DETAILS

MANUAL PREVIEW

JENSALES®

purchase full manual at

JENSALES.COM

or Call 800-443-0625

CLICK ANYWHERE FOR MORE DETAILS