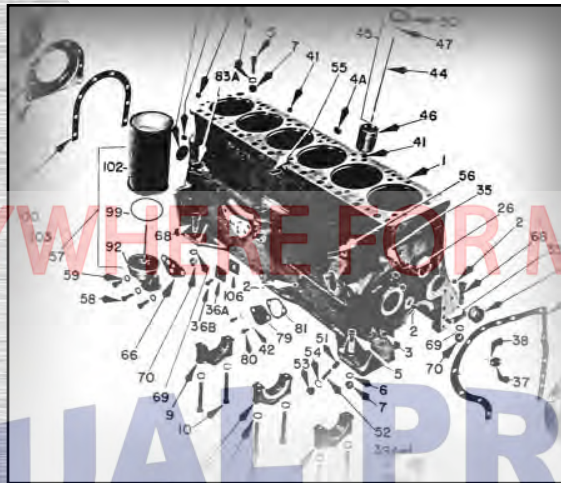




Hough
Parts Manual
H-65B Payloader
4 Wheel Drive

Parts Manual

JENSALES.COM
or Call **800-443-0625**



THIS IS A MANUAL PRODUCED BY **JENSALES INC.** WITHOUT THE AUTHORIZATION OF
HOUGH OR IT'S SUCCESSORS. **HOUGH** 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.

HO-P-H65B

MAJOR SECTION INDEX

DIRECTORY TO MODEL H-65 B PAYLOADER PARTS MANUAL

This manual is used specifically for the following series of

MODEL H-65B PAYLOADER

A serial number consists of four parts which identify it:

OLD SERIAL NUMBER SYSTEM

	MODEL NO.	SERIES	POWER	UNIT NO.
G-372	38	B	H	1001
GM 3-71	39	B	G	1008
JN-130-CI	39	B	C	1008

NEW SERIAL NUMBER SYSTEM

	KIND	POWER CODE	ORIGIN	UNIT NO.
G-372	344	202	U	1663
GM-3-71	344	303	U	1663
JN-130-CI	344	304	U	1663

IMPORTANT

Each part pictured in this manual is given an identification number which corresponds to the item number in the parts lists of the group. These item numbers are given to identify the part and name of the items wanted. Parts listed herein apply to machines beginning with serial number shown unless otherwise specified in the serial number column or at the top of the page. Figures in the "Qty" column indicate the number of that part used in the group -- not the total for the machine.

The bucket is always considered as the front end of the machine and right (R. H.) or left hand (L. H.) sides are determined by the operator's position when sitting in the seat and facing the bucket.

1. The Part Number, Name & Quantity of Items needed.
2. The Kind, Power & Unit No. of the machine.
3. When ordering parts for the Transmission, Drive Axle, Pump, Valve or Engine, be sure to give the Serial Number & Model Number of such units.
4. Give the Destination and Method of Shipment desired along with any special invoicing instructions.

NOTE: ON PAGES NOT REVISED THE SUFFIX H1 SHOULD BE APPLIED TO ALL HOUGH SIX DIGIT PART NUMBERS.

The black tabs shown on the right-hand side of this page line up with the corresponding tabs in the catalog. Tabs are quickly located by bending the catalog.

CHASSIS	1
ENGINE	2
ACCESSORY DRIVE & TORQUE CONVERTER	3
TRANSMISSION	4
DRIVE SHAFT	5
SOLID AXLE	6
STEERING AXLE	7
STEERING GEAR	8
LINKAGE	9
HYDRAULIC LINES & FITTINGS	10
HYDRAULIC COMPONENTS	11
ELECTRICAL SYSTEM	12
BRAKE SYSTEM	13
ACCESSORIES & ATTACHMENTS	14
NUMERICAL	15

TABLE OF CONTENTS

● SECTION 1 CHASSIS

Boom	1-3
Bucket	1-3
Compartment, Operator's	1-7
Cowling, Sheet	1-9
Frame, Main	1-5
Ladder	1-7
Seat	1-7

● SECTION 2 ENGINE

Air Cleaner (GM-3-71)	2-18
Air Cleaner (G-372 & U-372)	2-19
Air Cleaner (JN-130-CI)	2-20
Air Cleaner (JF-6-CI)	2-21
Engine & Exhaust (G-372)	2-3
Engine & Exhaust (JN-130-CI & JF-6-CI)	2-7
Engine & Exhaust (U-372)	2-11
Engine & Exhaust (GM-3-71)	2-15
Ether Starting Aid (GM-3-71)	2-17
Fuel Tank & Lines (U-372 & G-372)	2-22
Fuel Tank & Lines (GM-3-71 w/Side Fill)	2-23
Fuel Tank & Lines (GM-3-71 w/Top Fill)	2-24
Fuel Tank & Lines (JN-130-CI & JF-6-CI)	2-25
Radiator (U-372 & G-372)	2-26
Radiator (JN-130-CI & JF-6-CI)	2-27
Radiator (GM-3-71)	2-28

● SECTION 3 ACCESSORY DRIVE & TORQUE CONVERTER

Accessory Drive	3-3
Pump, Accessory Drive	3-5 & 3-6
Torque Converter	3-3

● SECTION 4 TRANSMISSION

Brake, Parking	4-11
Clutch Assembly, 1st Gear	4-7
Clutch Assembly, 2nd & 3rd Gear	4-8
Clutch Assembly, Forward & Reverse	4-9
Shaft, Rear Output	4-10
Transmission Complete	4-3
Valve, Transmission	4-12

● SECTION 5 DRIVE SHAFT

Shaft, Drive, Lower Front	5-2
Shaft, Drive, Lower Rear	5-3
Shaft, Drive, Upper Rear	5-4
Shaft, Drive, Upper Rear (GM-3-71)	5-5

● SECTION 6 SOLID AXLE

Brake	6-3
Differential	6-4
Housing	6-2
Shaft & Hub	6-11

(Continued on following page)

● SECTION 7 STEERING AXLE

Brake	7-11
Differential.....	7-5
Housing	7-3
Shaft & Hub.....	7-9
Universal Joint Cage Assembly	7-9

● SECTION 8 STEERING GEAR

Gear, Steering (Saginaw)	8-3
Valve, Steering	8-3
Gear, Steering (Ross)	8-7
Valve, Steering	8-8

● SECTION 9 LINKAGE

Accelerator Linkage (GM-3-71).....	9-7
Accelerator Linkage.....	9-3
Axle Throwout Linkage	9-8
Brake, Parking, Linkage	9-11
Gear Shift Linkage	9-13
Steering Linkage	9-15
Valve Control Linkage	9-9

● SECTION 10 HYDRAULIC SYSTEM

Boom & Bucket Lines	10-3
Converter Lines	10-7
Cooler Lines	10-7
Steering Lines	10-11

● SECTION 11 HYDRAULIC COMPONENTS

Cylinder, Boom.....	11-3
Cylinder, Bucket.....	11-3
Cylinder, Steering.....	11-12
Pump, Main	11-7
Reservoir	11-9
Valve, Main	11-11
Valve, Relief	11-5

● SECTION 12 ELECTRICAL SYSTEM

Wiring (G-372).....	12-3
Wiring (JN-6-CI & JF-6-BI).....	12-7
Wiring (GM-3-71)	12-11
Wiring (U-372).....	12-15

● SECTION 13 BRAKE - AIR SYSTEM

Compressor, Air	13-5
Connections, Air Hydraulic	13-3
Governor, Brake.....	13-13
Horn, Air.....	13-19
Power Cluster	13-17
Valve, Safety.....	13-22
Valve, Treadle.....	13-21
Valve, Emergency Control	13-23

● SECTION 14 ACCESSORIES & ATTACHMENTS

Decal	14-2
Tool	14-2
Optional Accessories & Attachments	14-3

● SECTIONAL 15 NUMERICAL INDEX

15-1

SECTION 1

CHASSIS

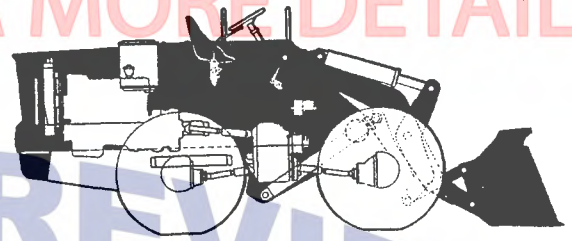


Table Of Contents

Group

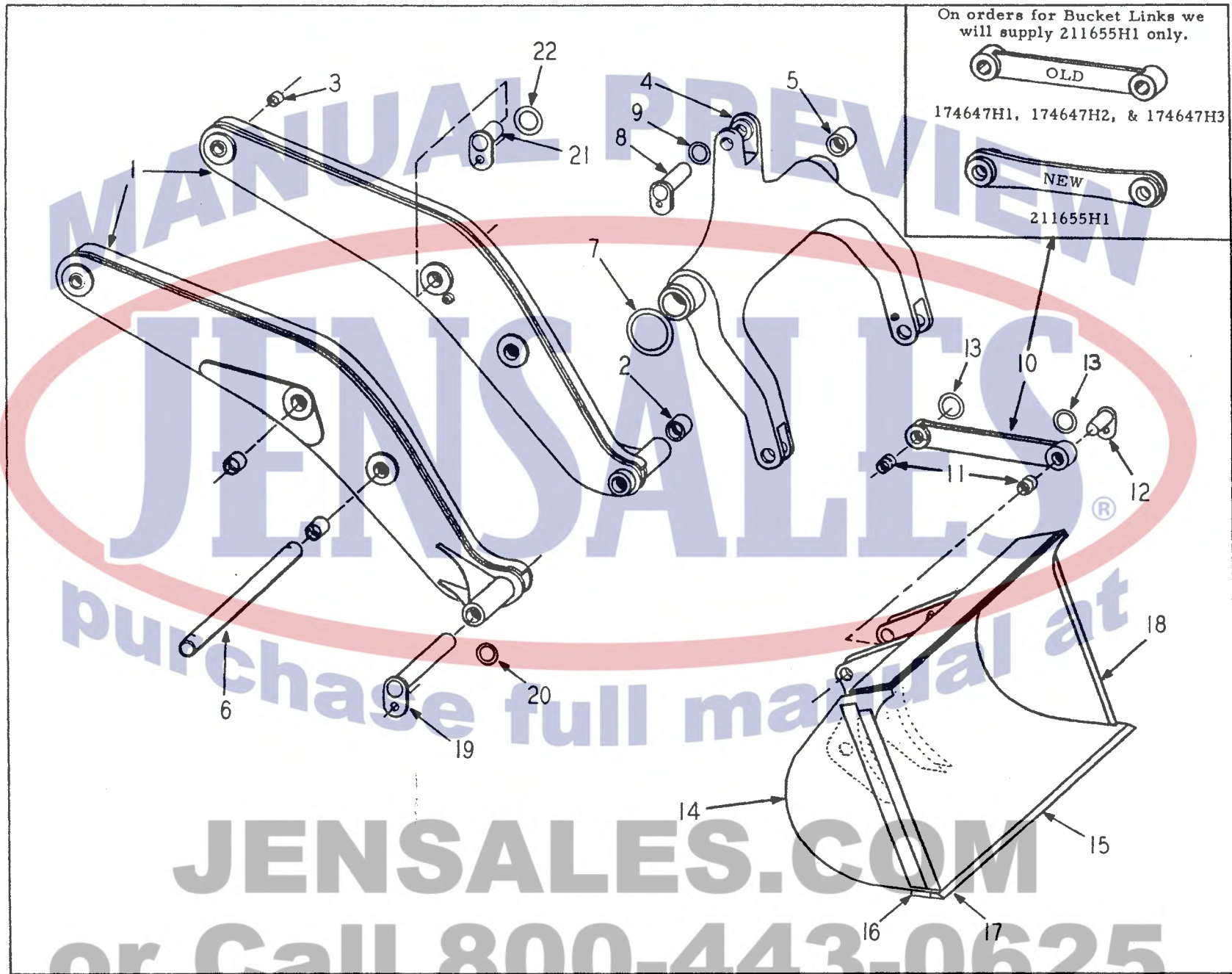
Page

BOOM	1-3
BUCKET	1-3
COMPARTMENT, OPERATOR'S	1-7
COWLING, SHEET	1-9
FRAME, MAIN	1-5
LADDER	1-7
SEAT	1-7

CLICK ANYWHERE FOR MORE DETAILS

1-2

BOOM & BUCKET



CLICK ANYWHERE FOR MORE DETAILS

BOOM & BUCKET

ITEM NO.	PART NO.	PART NAME	Qty.	First Used On Serial Numbers	
				FROM	THRU
1	174024H1	BOOM, R.H.	1		
1	174025H1	BOOM, L.H.	1		
2	174037H1	BUSHING	4		
3	172195H1	BUSHING	4		
4	174665H1	BELLCRANK	1		
5	172081H1	BUSHING	2		
	118491H1	FITTING, Grease	2		
6	172090H1	SHAFT, Pivot	1		
7	181614H1	RING, Cord (Replaces 171909H1)	4		
	S-1846	SCREW, Cap	2		
	E-18	NUT, Lock	2		
8	179610H1	PINLOCK	1		
9	172143H1	RING, Cord (Replaces 172100H1) ..	2		
	S-187	SCREW, Cap	1		
	WF-18	WASHER, Flat	1		
	WL-18	WASHER, Lock	1		
*10	211655H1	LINK, Bucket - 26 - 3/4" Long	2		
*10	174647H3	LINK, Bucket - 26 - 3/4" Long (See asterisk note)	2		
*10	174647H2	LINK, Bucket - 27" Long (See asterisk note)	2		
*10	174647H1	LINK, Bucket - 27" Long (See asterisk note)	2		
11	171890H1	BUSHING	4		
12	179521H1	PINLOCK	4		
	S-187	SCREW, Cap	4		
	WF-18	WASHER, Flat	4		
	WL-18	WASHER, Lock	4		
13	172143H1	RING, Cord (Replaces 172100H1) ..	8		
	118491H1	FITTING, Grease	4		
14	180082H1	BUCKET	1		
15	180086H1	EDGE, Cutting (Includes Items 16 & 17)	1		
16		PLATE, Backing	1		
17	171841H1	TIP, Cutting Edge	1		
18	162251H1	EDGE, Cutting, Side	2		
19	179676H1	PINLOCK	2		
	S-187	SCREW, Cap	2		
	WF-18	WASHER, Flat	2		
	WL-18	WASHER, Lock	2		
20	172143H1	RING, Cord (Replaces 171901H1) ..	4		
21	179517H1	PINLOCK	2		
	S-187	SCREW, Cap	2		
	WF-18	WASHER, Flat	2		
	WL-18	WASHER, Lock	2		
22	191418H1	RING, Cord (Replaces 172143H1) ..	4		
	118491H1	FITTING, Grease	4		

NOTE: * On orders for (1) 174647H1, 174647H2 or 174647H3 Bucket Link, we will supply 211655H1 Bucket Link. See Illustration.

JENSALES.COM

or Call 800-443-0625

CLICK ANYWHERE FOR MORE DETAILS