BHM8 BACKHOE



Rugged Labor Saving Equipment Since 1995



OPERATION & PARTS MANUAL

Please read these instructions carefully before using! Always grease all fittings and be sure to always check and fill with oil before operating! Retain this manual for future reference.



Betstco

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Specifications subject to change without notice.

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INTRODUCTION

The purpose of this manual is to assist you in maintaining and operating your Value Leader backhoe.

Read the entire manual carefully before operating, it provides information and instructions that will help you achieve years of reliable performance.

Some information may be general in nature due to unknown and varying conditions. However, through experience and these instructions, you should be able to develop operating procedures suitable to your particular situation.

"Right" and "Left" as used throughout this manual are determined by operator in backhoe seat position is facing when in use.

The photos, illustrations and data used in this manual are current at the time of printing, but due to possible in-line production changes, your machine may vary slightly in detail. The manufacturer reserves the right to redesign the machine as may be necessary without notification.

Important

Illustrations used in this manual may not show all safety equipment that is recommended to ensure safe operation of tractor and backhoe. Refer to the Safety Precautions section of this manual for information concerning safety, consult your dealer for further information.

Serial Number and Location

The serial and model number is important information about the machine and it may be necessary to know it before obtaining the correct replacement part. The identification plate is located on the right side of control console.

Support Contact Information

First contact the company you purchase from. If they cannot help you, warranty covered and non warranty covered support is available at Betst Products, Ilc, support department. Available by phone or email. Open M-F 8 am - 5 pm PST. Email support@betstproducts.com or by phone at 1-541-895-3083.

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SAFETY PRECAUTIONS

1.1 SAFETY

Understand that your safety and the safety of other persons is measured by how you service and operate this Backhoe.

Know the position and operations of all controls before you operate. Make sure you check all controls in safe area before starting.

Read this manual completely and thoroughly and make sure you understand all controls. All equipment has a limit. Make sure you are aware of the stability and load characteristics of this Backhoe before you begin operation.

The Safety Information given in this manual does not replace any safety codes, insurance needs, federal, state and local laws. Make sure your machine has the correct equipment required by your local laws and regulations.

This safety alert symbol indicates important safety messages in this manual. When you see this symbol, carefully read the message that follows and be alert to the possibility of personal injury or death.



1.2 SAFETY PRECAUTIONS / Property 1.2



Before starting the engine of your tractor, make sure all operation controls are in park, lock or neutral position.

Operate controls only when seated in the operator's seat.

Equip your tractor with a ROPS cab or frame for your protection. See your tractor operator's manual for correct usage.

A frequent cause of personal injury or death is persons falling off and being run over. Do not permit others to ride on your tractor or backhoe. Only one person, the operator, should be on either machine when they are in operation.

Before leaving the tractor or backhoe, stop the engine, put all controls in neutral, engage the parking brake and remove the key from the ignition.

Operate the Backhoe smoothly when lowering or lifting loads.

Stay off of slopes too steep for safe operation. Shift down before you start up or down a hill with heavy load. Avoid "free wheeling".

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📤 SAFETY Precautions 🗘



Never use your hand to check for suspected leaks under pressure. Use a piece of cardboard or wood for this purpose. Escaping hydraulic oil or diesel fuel leaking under pressure can have sufficient force to penetrate the skin and cause infection or other injuries. If this happens seek medical attention immediately.

To prevent personal injury, relieve all pressure before disconnecting any fluid lines.

Before applying hydraulic pressure, make sure all hydraulic connections are tight and components are in good condition.

Contact with overhead power lines can cause severe electrical burn or electrocution.

Make sure there is enough clearance between raised equipment and overhead power lines.

Add water to rear tires or rear wheel weights for increased stability.

A backhoe attachment should be transported in a low position at slow ground speeds. Make turns slowly and use the tractor brakes cautiously. A loaded attachment in the raised position alters the center of gravity, location of the machine and increases the possibility of mishaps.

Do not stand, walk or work under a raised backhoe attachment. Accidental movement of a control lever or leak in the hydraulic system could cause the backhoe to drop, or attachment to dump, causing severe injury.

Make sure to always park backhoe on a hard level surface with all safety devices engaged to prevent backhoe from falling and being damaged or injuring someone. Stands may be required.

When using a backhoe, be alert of bucket, boom and arm position at all times.

Only operators who have been specially trained in backhoe operation and fully understand this manual can operate the backhoe.

Keep hands, feet and clothing away from all moving parts. Wear close fitting clothing and appropriate safety equipment (Which includes, steel toed shoes, protective gloves, hard hat, safety glasses and dust mask). Prolonged exposure to loud noise can damage hearing. Wear suitable approved hearing protection such as ear muffs or plugs. Operating equipment safely requires your full attention. Do not wear radio or music headphones. Secure hair above shoulder length.

You must be in good physical and mental health to operate the backhoe safely. Do not operate the backhoe when you are ill, fatigued or under the influence of any substance or medication that could affect your vision, coordination or judgment.

ALWAYS CALL BEFORE YOU DIG!

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2. SAFETY DECALS

- 1. Keep safety decals clean and free of obstructing material
- 2. Replace damaged or missing safety decals with new decals.
- 3. If a component with a safety decal(s) affixed is replaced with a new part, ensure new safety decal(s) are attached in the same locations on the replacement components.

Note some decals appear on both sides of backhoe. #'s 1, 2, 5, 6, and 12









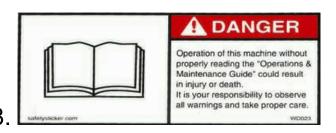






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2. SAFETY DECALS







BEWARE Overhead wires & underground services.



WARNING!

When using stabilizer arms DO NOT lift machine off ground.

FAILURE TO COMPLY CAN BE DANGEROUS, MAY CAUSE UNDUE DAMAGE TO MACHINE AND VOID ALL WARRANTIES.

CONTACT YOUR DEALER FOR DETAILS FIRST.

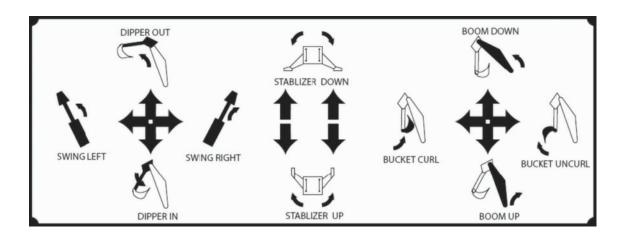
DRIVER ONLY Strictly NO passengers.

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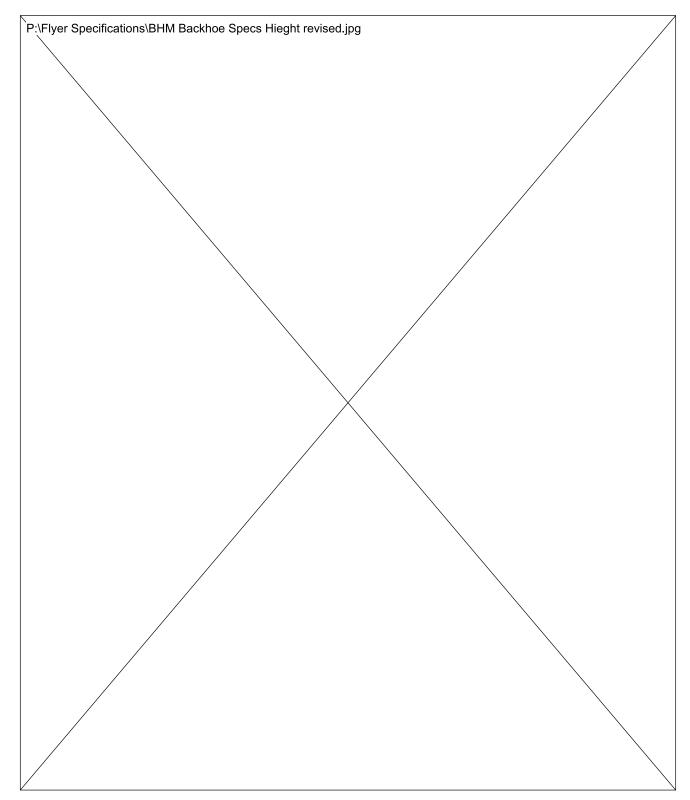
2. SAFETY DECALS



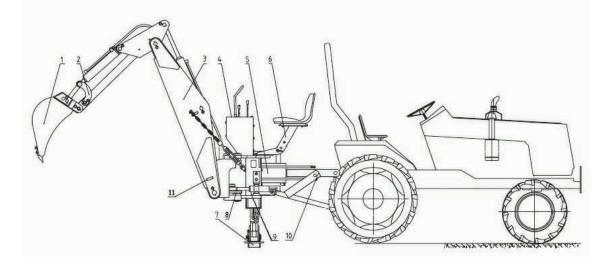


To order safety labels please contact Parts Department at 1-541-895-3083 or email parts@betstco.com





3. VALUE-LEADER BHM BACKHOE SPECIFICATION



Backhoe Components

- 1. Bucket
- 2. Staff
- 3. Boom
- 4. Joystick Controls
- 5. Hydraulic Tank
- 6. Seat
- 7. Stabilizers
- 8. Swing Cylinders
- 9. Tower
- 10. 3-Pt Connections
- 11. Transport Lock

4. TRACTOR PREPARATION

Caution: Do not exceed the manufacturer's rating for maximum gross vehicle weight. Refer to Operator's Manual Dealer, or Manufacture.

Caution: Certain Specific conditions may not permit safe use of backhoe at backhoe rating or may require more careful restricted operation at the rated load.

4.1 ROPS System

The tractor must be equipped with an approved ROPS System to ensure adequate operator's protection.

4.2 Hydraulic System

The BHM Series Backhoe hydraulic system is powered by the tractors Power Take Off, and are fitted with an in-built Hydraulic pump, tank, and in-line filter system. Check fluid level daily, ensure PTO shaft is greased and change hydraulic filter as required(refer to Lubrication and Maintenance).

BE SURE TO FOLLOW THE DETAILED STEPS OUTLINED IN ASSEMBLY & MOUNTING BEFORE USING THE BACKHOE!

Caution: The tractor / backhoe must only be operated with all safety equipment properly installed

4.3 Tire Inflation

Front Tires must be maintained at the maximum recommended inflation to maintain normal tire profile with the added weight of backhoe/material.

Rear tires must be maintained at equal pressure within the recommended tire inflation range. Unequal rear tire inflation can prevent backhoe attachment from controlling the ground across its full width.

4.4 Wheel Tread Settings

Tractor front wheel tread setting must be restricted to wheel tread spacing recommended in the tractor Operator's Manual.

4.5 Attachment

Ensure your tractor's 3 point linkage system is fitted with sway chains before attaching the backhoe. Failure to do this can cause the backhoe to swing when traveling potentially causing bodily injury or machine damage or failure.

Inspect for any worn or damaged parts that are part of the connection between the tractor and backhoe. Replace if necessary with parts of suitable strength and quality.

4.6 Counter Weight

Add recommended ballast (either front weights or front end loader) to tractor's front-end for increased stability. Refer to tractor operator' manual for specific recommendations on counter weighting tractor.

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5. BACKHOE OPERATION

CAUTION: The tractor/backhoe should only be operated with all safety equipment properly installed. Keep assistants or bystanders at a safe distance from the equipment operating area.

5.1 Precautionary Notes:

- Read and understand this manual to avoid accidents.
- Check the hydraulic fitting lines to be correct and set tightly.
- Maintain and repair (if it is needed) the parts or assemblies, check bolts and pins to be sure they are positioned tightly.
- Check tractor with the tractor operator's manual that it can be prepared for operating.
- Warm up and operate the tractor and backhoe carefully. Purge any air in the hydraulic lines and cylinders by fully cycling all cylinders several times. Check the Fluid level in Tank each after doing this.
- Check hydraulic level in the tank to the specified level.
- Do not operate the hydraulics when not seated in the backhoe operator's seat.
- Keep all assistants out of area of operation.
- Do not operate rapidly.
- Do not allow riders other than the operator to be on the tractor while operating.

Important

Use tractor engine speed that your experience permits. At first set PTO RPM of the tractor to slow. Do not use the boom, dipper arm, swing or stabilizers to lift, push or pull objects. Use only to maneuver and operate the bucket.

Important

Practice quickly turning off the engine or stopping the backhoe immediately in case of an emergency situation.

Important

Do not operate while the rear tractor wheels are off the ground by stabilizer. It is dangerous to operate the backhoe while rear wheels are off the ground.

Position vehicle so that the backhoe is as near as possible and in such a direction as to minimize the amount of backhoe turning required to dump.

Keep the unit clean and perform regular service.

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5.1 BACKHOE OPERATION CAUTIONS

We urge you to follow this advice: Failure to do so will result in a voided warranty, personal injury, or damage to equipment

- Read and understand this manual as well as the Tractor Operator's Manual.
- 2. Remember and observe the safety precautions brought to your attention in this manual, the tractor manual and on the machinery itself.
- 3. Use good common sense in the everyday operation of this unit. Safety recommendations can never be all-inclusive and you are responsible for watching out for and avoiding unsafe conditions.
- Never exceed the limits of a piece of machinery. If its ability to do a job, or to do so safely, is in question, don't try it.
- 5. <u>Don't hurry the learning process or take the unit for granted. Ease into it and become</u> familiar with your new backhoe.

Caution: When lowering a heavy load, ease it downward slowly. Never drop a loaded attachment and "catch it hydraulically". Stopping a load after it has gained download momentum places undue strain on the unit and may void your warranty, cause unnecessary damage to the backhoe/tractor or even worse, personal injury.

Caution: Before disconnecting hydraulic lines, relieve all hydraulic pressure. Escaping hydraulic oil under pressure can have sufficient force to penetrate the skin causing serious personal injury. If injured by escaping hydraulic oil, seek medical attention immediately.

Caution: Do not operate the backhoe if the fittings are leaking or if the hoses are damaged. A sudden line burst would cause the boom, or dipper arm bucket to drop suddenly, void the warranty, cause damage to the tractor/backhoe or injury to personnel.

5.2 Initial Backhoe Operation

Before operating the backhoe, fully raise and lower the boom, arm, swing and stabilizers two or three times. Then raise the bucket above the ground and cycle the bucket cylinders three times. Lower the bucket to the ground. **Check the tractor hydraulic oil and fill to the correct oil level**.

Caution: Before leaving the machine, stop the engine, remove the key. Place all controls in neutral, and either set the parking brake or place tractor in park as equipped.

Always keep cylinders in a retracted position when the backhoe is not in use to guard against rust and contamination which may cause damage to the cylinder rods or hydraulic system. Also, lock the swing and boom while tractor is moving and when storing for an extended period of time.

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5.3 COLD WEATHER OPERATION

For smooth operation in cold weather, let the tractor warm up. Slowly cycle all of the cylinders several times to warm the oil in the hydraulic system. The backhoe may operate erratically until the hydraulic oil has warmed to operating temperatures.



CAUTION: Operate controls only when seated in the operator's seat with the seatbelt on.

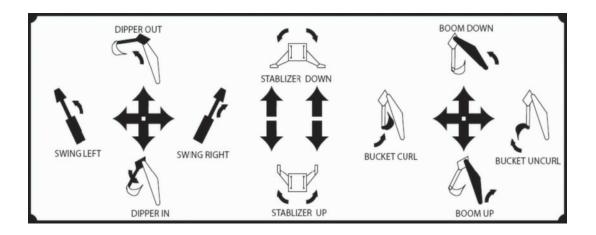
5.4 BACKHOE HYDRAULIC CONTROLS

The backhoe hydraulic valve features 4 control levers. Refer to the diagram below for backhoe control functions. "Left" and "Right" are determined by the direction the operator is facing when seated in the backhoe. The diagram is located on the rear of the control valve bracket and is visible when operating the valve.



- A. Boom & Bucket Control
- B. Right Stabilizer Control
- C. Left Stabilizer Control
- D. Dipper Arm & Swing Control

5.4 Backhoe Hydraulic Controls



- -Stabilizer Control Lever is 2 Way of moving stabilizers up & down
- Dipper Arm & Swing Control Lever is 4 Way of moving Dipper out or in & Swing left or right
- Boom & Bucket Control Lever is 4 Way of moving Boom up or down & bucket curled or uncurled.

Practice is needed to eliminate excess motion and increase operating efficiency.

Do not dig near the stabilizers as this can cause unsafe working conditions or accident.

Do not lift the tractor rear wheels off the ground with stabilizers.

5.5 TRAVELING SWING AND BOOM LOCK



When transporting or dismounting backhoe, you must lock the backhoe's swing and boom. Position boom straight back and then slide pin through holes in boom & swing frame.

5.6 TRAVELING STABILIZER CLIP LOCKS

When transporting or dismounting backhoe, you must lock Stabilizer Lock Clips. Raise stabilizers and attached Lock Clips.



6.0 BACKHOE ASSEMBLY & MOUNTING

- -After removing from crate.
- -You may need suitable support to lift and hold backhoe behind 3 pt during assembly.
- -Attach filter bracket to bracket on hydraulic tank, this may require the loosing of the hoses to acquire needed rotation, then re-tighten the hoses.
- -Remove cover of hydraulic tank and fill with tractor hydraulic fluid to level indicator on side of tank.



USE EXTREME CAUTION WHEN CONNECTING TO TRACTOR

- -The 3-PT mounting frame is adjustable to suit most tractor models with Cat-1 3-PT linkage.
- 1. Connect tractor 3-PT arms to lower mounting frame pins.
- 2. Connect PTO and move bucket down to lift boom to move main frame into vertical position. Lower stabilizers to balance backhoe. Raise Lift Arms until 3-PT top link frame will be close to horizontal with top link connection on tractor. See below for PTO Connection details.
- 3. Connect and Adjust top link assembly. 1 bolt under tower (Longest), 2 bolts in middle(Medium Length), and 1 bolt to top link.
- 4. Connect left hand and right hand lock out brace to the correct hole and secure the bolt and nut tightly. (Shortest Bolts)
- 5. Lower and manually lock the tractor 3-PT position/Draft Lever. (See Tractor's Operation Manual)
- -Attach Seat with bolts & nuts provided.
- -Operate all cylinders in and out 2 times. Check Oil Level again and fill as needed.
- -Attach all safety labels
- -Grease all 28 points as detailed below in Lubrication Section

IF YOU HAVE ANY QUESTIONS DURING ASSEMBLY PLEASE CONTACT THE COMPANY YOU PURCHASED YOUR VALUE-LEADER BACKHOE FROM.



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6.1 PTO CONNECT ION

Ensure PTO shaft is correct length, correct PTO shaft length must have a minimal overlap of 2" in drive position. See PTO Driveline manual for proper steps to reduce overall PTO driveline length. Connect PTO shaft to tractor, PTO output shaft and backhoe hydraulic pump shaft. Check PTO shaft has suitable angle prior to operation. Angle of PTO shaft universal must be less than 25degrees, to prevent major damage.



CAUTION: Backhoe should be mounted to the tractor three point linkage.



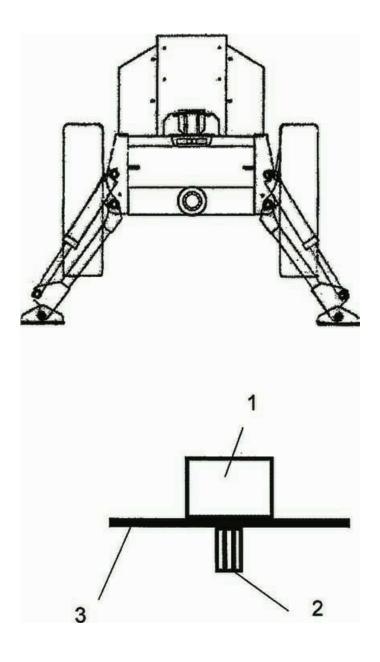
CAUTION: Never store backhoe without bucket attached to the backhoe.

CAUTION: Never raise 3-PT position/draft lever while backhoe is connected, damage could occur to linkage and hydraulic system or void the warranty. Use mechanical means to secure levers in down positions.

CAUTION: It is Owner/Operator responsibility to ensure that the tractor 3-PT top link & Hydraulic lift cover area is strong enough to accept 3-PT rigid connection and backhoe while in operation as extra forces are exerted through top link. No liability can be accepted for damage to tractor.

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7.0 HYDRAULIC PUMP ASSEMBLY



Specification	PartNo.	Qty
1. Hydraulic Pump	CBF-F425-AL	PL1
2. Hydraulic Pump Shaft 13/8"6 Splines		1
3.Bracket		1

8.0 LUBRICATION AND MAINTENANCE



Total of 28 Grease Points
Use Lithium Based All Purpose Grease
Hydraulic Oil – Use Standard Tractor Hydraulic Fluid

Item	Service	Service Interval
Hydraulic System Oil Level	Check	Daily / 10 Hours
Hydraulic System Oil / Filter	Replace	Every 50 Hours
Tyre Inflation	Check	Weekly / 50 Hours
Backhoe Pivot Points	Lubricate / Grease	Daily / 10 Hours
Backhoe Hydraulic Lines, Hoses, Connections	Check for leaks, wear	Daily / 10 Hours
Boom, Arm, Swing and Bucket cylinder rod packings	Check for seepage, service as needed	Daily / 10 Hours
Pivot Pin Bolts and Dust Covers	Check, replace if missing	Daily / 10 Hours
Pin Wear	Check, replace if necessary	Daily / 10 Hours
Backhoe Mount Hardware	Check visually	Daily / 10 Hours
Bolt and Nut Release	Re-torque	Every 25 Hours

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8.0 LUBRICATION AND MAINTENANCE

CAUTION: Do not perform service or maintenance Operations with backhoe raised off the ground. For additional access to tractor components remove backhoe.

Important

Lower the backhoe to the ground and relieve pressure in backhoe hydraulic lines prior to performing any service or maintenance operations on the tractor or backhoe.

CAUTION: Escaping fluid under pressure can have sufficient force to penetrate the skin, causing serious injury, before disconnecting lines, be sure to relieve all pressure. Before applying pressure to the system, be sure all connections are tight and that lines, pipes and hoses are not damaged. Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood rather than your hands to sear for suspected leaks. If injured by escaping fluid, seek medical attention immediately. Serious infection or reaction can develop if correct medical treatment is not administered immediately.

Refer to "lubrication and Maintenance Chart" for quick reference to Maintenance Operations.

CAUTION: Do not operate the backhoe if any fittings are leaking or if the hoses are damaged. A sudden line burst could cause the boom, dipper arm or bucket to drop suddenly, causing damage to the tractor or backhoe or injury to personnel.



CAUTION: Operate the backhoe from the operator seat only.

CAUTION: Do not stand or walk under a raised backhoe. Accidental movement of control lever or leak in hydraulic system could cause boom or dipper arm to drop, causing severe injury.

CAUTION: To help prevent roll-over, adjust the rear wheels to their widest setting to maximize stability. Refer to your tractor Operator's Manual for recommendations.

Note: when checking hydraulic system oil level, the backhoe should be on the ground and bucket fully retracted (all cylinders in retracted position).

Grease all backhoe pivot points daily (10 Hours).

Inspect hydraulic hoses, connections, control valve and cylinders for evidence of leakage.

Tractor tires should be maintained at maximum recommended inflation to maintain normal tire profile with added weight of backhoe/material. Unequal rear tire inflation can result in bucket not being level to the ground.

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Trouble Shooting

This Trouble Shooting Chart is provided for reference to possible backhoe operational problems. Determine the problem that best describes the operational problem being experience and eliminate the possible causes as listed by following the correction procedures.

PROBLEM	Possible Cause	Correction
	Low hydraulic fluid level	Check and replenish hydraulic fluid.
	Hydraulic hoses connected improperly	Check and correct hydraulic hose connections.
	Hydraulic hoses to / from control valve blocked	Check for damage (kinked) hoses, etc.
	Backhoe control valve or tractor main relief valve stuck open	Check system pressure, Repair or replace relief valve. Refer to the Tractor Operator's Manual.
	Low system pressure supplied from hydraulic pump	Check system pressure. Repair or replace pump.
	Control valve linkage broken	Inspect. Repair as required.
Swing, Boom, Dipper Arm	Quick disconnect coupler(s) are not fully connected or "Flow Check"	Check coupler connections. Replace coupler(s) if necessary.
and Bucket Cylinders	Hydraulic Hose or tube line blockage	Check for evidence of damage to hoses or tube lines that would block flow of oil between cylinders and control valve.
	Cylinder piston assembly defective (not sealing)	Check cylinders for internal leakage as described in service section under cylinder leakage tests.
	Control Valve blockage	Inspect for blockage.
	Disassemble valve if necessary.	
	Safety lock pins (2) not removed	Remove and store safety pins.
	Stabilizer legs safety clip not released	Release the clips.

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PROBLEM	Possible Cause	Correction
Cylinders operate in wrong	Hydraulic Hoses connected	Correct hydraulic hoses con-
direction relative to control valve lever position.	incorrectly.	nections.
r to the property of the prope	Low hydraulic fluid level	Check and replenish hydraulic fluid.
	Cold hydraulic fluid	Allow hydraulic system to warm up to operating temperature
	Hydraulic oil viscosity too heavy or Incorrect oil	Check oil number and viscosity, refill correct hydraulic oil.
	Engine R.P.M too slow (hydraulic pump R.P.M too slow).	Increase engine speed to obtain satisfactory backhoe operation.
	Excessive weight in bucket. Material weight exceeds maximum specified backhoe capacity.	Reduce material load. (Digging load)
Slow or erratic move of cylinders (Noisy operation of	Control valve linkage binding / defective	Check control valve linkagae and repair if work / defective.
cylinders)	Aeration of hydraulic fluid	Refer to "Aeration of hydraulic Fluid"
	Quick disconnect coupler restriction or coupler "Flow checks"	Check coupler connections. Repair or replace.
	Hydraulic hose or tube line restriction choses / Tube line) Kinked or pinched	Check hoses and tubelines for evidence of restriction.
	Boom, Dipper arm or Bucket cylinder piston assembly leakage.	Check cylinders for leakage. Repair as needed.
	Relief valve erratic or set below specifications	Check and reset relief valve. Setting as needed.
	Control valve leaking internally. (bypassing fluid within valve).	Replace control valve and recheck operation.

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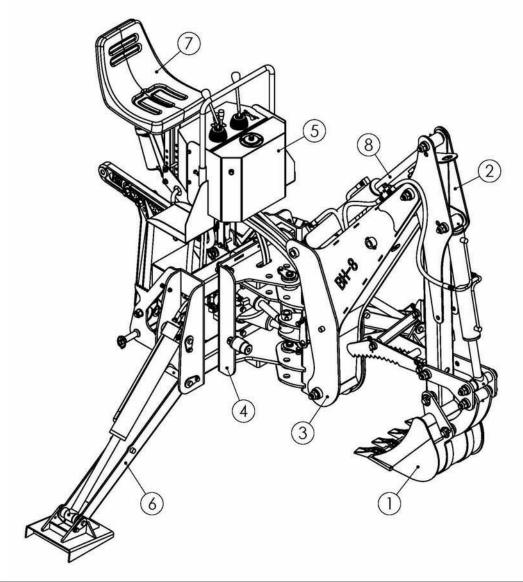
PROBLEM	Possible Cause	Correction
	Engine R.P.M too slow	Increase engine R.P.M
	Excessive load. Material loading exceeds specified backhoe capacity.	Reduce Load
	Relief valve setting below specifications	Check and reset relief valve setting as needed.
Inadequate lifting capacity	Bucket, Boom and Dipper arm cylinder piston assembly leakage	Check Cylinders for leakage. Repair as needed.
	Control Valve leaking internally	Replace control valve and recheck operation.
	Hydraulic pump defective	Refer to "Hydraulic Pump Capacity Inadequate"
	Low Hydraulic fluid level	Check and refill hydraulic system to proper level.
Aeraion of Hydraulic Fluid (Generally indicated by	Air leing into suction side of hydraulic pump	Check for loose or defective connections between reservoir and hydraulic pump.
foamy appearance of fluid)	Hydraulic fluid foaming due to improper hydraulic oil usage	Refer to tractor Operator's Manual and replace hydrau- lic oil using recommended hydraulic oil
	Cold Hydraulic Fluid	Allow hydraulic fluid to warm up to operating temperature.
	Hydraulic Oil viscosity too heavy or Incorrect Oil	Check Oil Number and Viscosity, refill correct hydraulic oil
System relieve valve squeals	Excessive load in bucket. Loading exceeds specified backhoe capacity	Reduce Load
	Relief Valve setting below specifications.	Check and reset valve setting as needed.
	Hydraulic hose, tube line or quick disconnect coupler restriction	Check for evidence of restriction in the hydraulic oil flow. Repair or replace defective components.

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PROBLEM	Possible Cause	Correction
Backhoe Drops with valve spool in "centred" position	Cylinder piston assembly leakage	Check cylinders for leakage
(no external oil leakage evident). Note: A gradual drop over an extended period of time is a normal condition.	Control valve internal leak- age	Replace control valve and recheck
	Control lever linkage binding	Determine origin of binding and repair
Control Valve spool(s) will not return to centred position	Control valve spool centring is broken	Replace Centring Spring
	Control valve spool binding in valve body spool bore	Disassemble valve for inspection and repair.
	Loose Hydraulic connection	Tighten loose connections
	Defective hydraulic hose, tube line, adapter fitting or adapter fitting o-ring.	Check for origin of oil leak and replace defective part.
External Hydraulic fluid Leakage	Control valve o-ring defective	Replace defective o-rings
	Control valve spool or body damaged or worn	Replace control valve
	Cylinder rod packing set leakage	Check cylinders for leakage. Repair as needed.
	Cold Hydraulic fluid	Allow hydraulic fluid to warm up to operating temperature.
	Engine R.P.M too slow	Increase engine R.P.M
Hydraulic pump capacity	Low hydraulic fluid supply	Refer to Tractor Operator's Manual for service recommendations.
inadequate	Hydraulic hose restriction	Check for evidence of restriction in hydraulic hoses.
	Hydraulic pump defective	Refer to Tractor Operator's Manual for recommended service procedures.
	Replace hydraulic pump if determined to be defective	
Cylinder Rod bend when cylinders extended	Excessive shock load on cylinders during transport	Replace defective parts. Review and observe proper and safe operational practices.

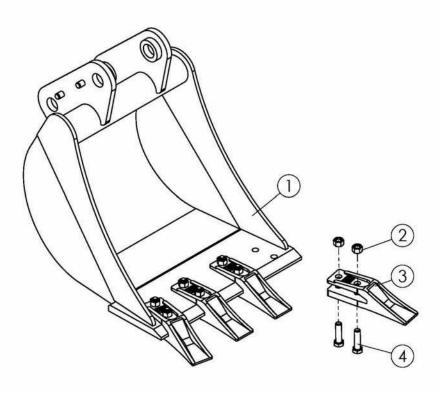
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10.0 Backhoe Parts Assemblies



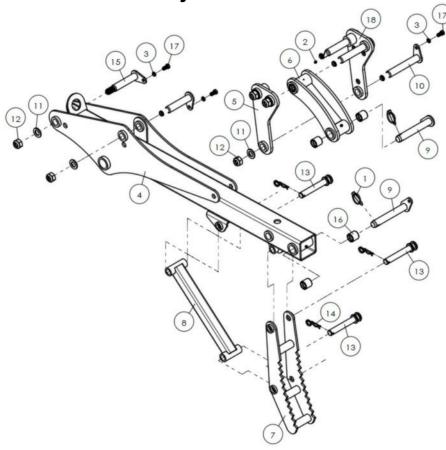
Item	品号 Part	No.	Description Qty	
1	802910374	MBH-6.01.001A-40	Bucket (BHB400225) 1	
2	802930010	MBH-8.02.001	Front arm	1
3	802930011	MBH-8.03.001	Main boom	1
4	802930012	BH-8.04.001	Swing joint & side shift frame	1
5	802930013	BH-8.05.001	Operation panel & oil tank	1
6	802930014	BH-8.06.001	Supporting leg	2
7	802900137	MBH-5.07.001	Seat	1
8	802930015	BH-8.08.001	Boom cylinder	1

10.1 Bucket Assembly



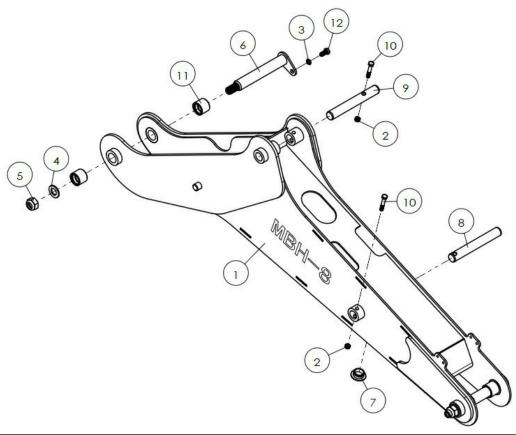
Item	品号 I	art No.	Specification Qty	
1	802910172	MBH-6.01.011A-40	bucket	1
2	503010047	GB6170-M12	nut	8
3	702900013	MBH-5.01.101	Bucket teeth	4
4	501010755	GB5782-M12X45	Bolt	8

10.2 Front Arm Assembly



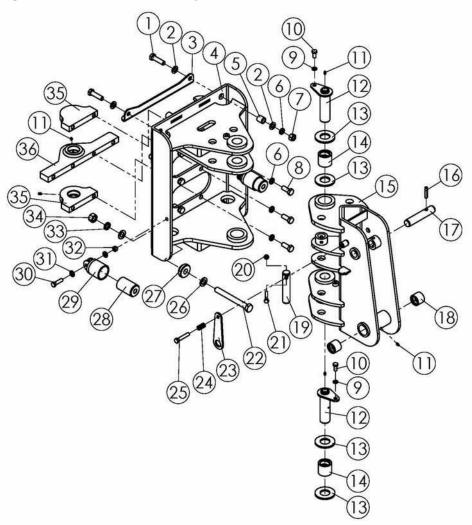
Item	品号	Part No.	Specification Qty	
1	700080010	200. 56. 011	200.56.011 Locking pin	
2	509010007	GB1152-M6	Grease nipple	5
3	506030037	GB93-12	Spring washer	5
4	802930395	MBH-8.02.011A	Front arm	1
5	802930405	MBH-8.02.012A	Right swing arm	1
6	802930410	MBH-8.02.014A	Bucket adaptor	1
7	802910224	*MBH-6. 02. 022	Thumb	1
8	802910227	*MBH-6. 02. 023	Supporting	1
9	802930416	MBH-8.02.017	Pin shaft for bucket	2
10	802930413	MBH-8.02.016A	Pin shaft	3
11	506010063	GB97. 1-24	Plain washer	5
12	503010317	GB6184-M24	Nut	5
13	700010669	*ZL-DF304G2-6-202	Locking Pin	3
14	703340017	*ZL-25. 104	R pin	3
15	802930416	MBH-8.02.017	Pin Shaft	2
16	702910195	MBH-6.02.101-1	Sleeve	6
17	501011125	GB5783-M12x25	Bolt	5
18	802930408	MBH-8. 02. 013A	Left swing arm	1

10.3 Main Boom Assembly



Item	品号 Pa	rt No. Speci	fication Qty	
1	802930420	MBH-8.03.011-1	Boom weldment	1
2	503010310	GB6184-M10	Nut	2
3	506030037	GB93-12	Spring washer	2
4	506010063	GB97. 1-24	Plain washer	2
5	503010317	GB6184-M24	Nut	2
6	802930433	MBH-8.03.012	Pin shaft	2
7	702110077	FM120.00.110-2	Rubber cap	1
8	702930435	MBH-8.03.101	Pin shaft	1
9	702930436	MBH-8.03.102	Pin shaft	1
10	501010749	GB5782-M10x60	Bolt	2
11	702930418	MBH-8.02.101-1	Sleeve	4
12	501011125	GB5783-M12x25	Bolt	2

10.4 Swing Joint Assembly

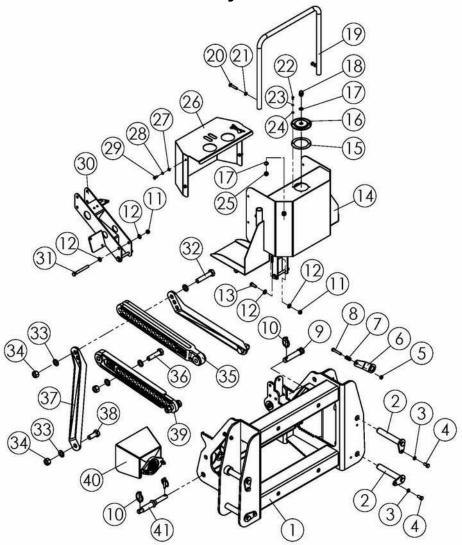


Item	品号	Part No.	Spec	ification	Qty	
1	501010779	GB5782-M16X60		Bolt		2
2	506010059	GB97. 1-16		Plain wash	ner	4
3	702890004	BH-8. 04. 107		Plate		1
4	802930452	MBH-8.04.012-2		Side shift	base	1
5	702890003	BH-8. 04. 106		Sleeve		2
6	506030039	GB93-16		Spring was	her	10
7	503010049	GB6170-M16		Nut		2
8	501011158	GB5783-M16X40		Bolt		8
9	506030037	GB93-12		Spring was	her	4
10	501011125	GB5783-M12X25		Bolt		2
11	509010007	GB1152-M6		Grease nip	ple	6
12	802930462	MBH-8.04.014		Swing sha	ft	2
13	702930471	MBH-8.04.105		Washer		4
14	702930474	MBH-8.04.124-1	ĺ	Sleeve		2

15	802930438	MBH-8.04.011-1	MBH-8.04.011-1 Knuckle	
16	508011595	GB879. 1-10X50	Springshaft	1
17	702930469	MBH-8.04.101	Pin shaft	1
18	702930418	MBH-8.02.101-1	Sleeve	2
19	702930470	MBH-8.04.104	Pin shaft	2
20	503010762	DIN985-M10	Nut	2
21	501010749	GB5782-M10X60	Bolt	2
22	501010814	GB5782-M20X180	Bolt	4
23	702930472	MBH-8.04.106	Locking plate	2
24	702830014	BH-6.05.107	Spring	2
25	501010759	GB5782-M12X65	Bolt	2
26	506010061	GB97. 1-20	Plain washer	8
27	702890002	BH-8.04.102	Washer	4
28	702770068	AM60.03.104	Block	2
29	802930465	MBH-8.04.015	Block seat	2
30	501010755	GB5782-M12X45	Bolt	2
31	506010057	GB97. 1-12	Plain washer	4
32	503010047	GB6170-M12	Nut	2
33	506030041	GB93-20	Spring washer	4
34	503010051	GB6170-M20	Nut	4
35	702930473	MBH-8.04.108	Swing cylinder base Weldment outer	2
36	802930460	MBH-8.04.013	Swing cylinder base Weldment middle	1

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10.5 Operation Panel Assembly

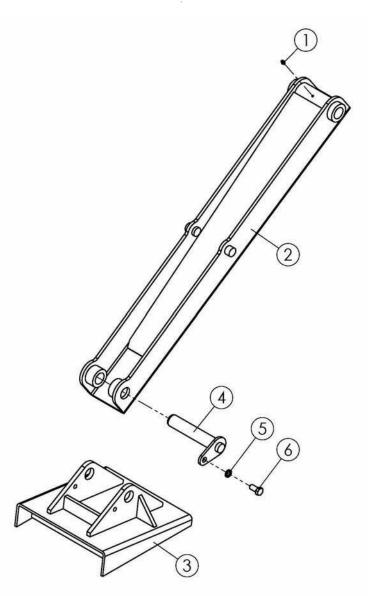


Item	品号	Part No.	Specification Qty	
1	802890006	BH-8.05.011-3	Slide base	1
2	802890015	BH-8. 05. 020	Pin shaft	4
3	506030037	GB93-12	spring washer	4
4	501011125	GB5783-M12X25	bolt	4
5	503010046	GB6170-M20	nut	2
6	702830021	BH-6. 05. 106	Hanging plate	2
7	702830014	BH-6. 05. 107	spring	2
8	501010749	GB5782-M10X60	bolt	
9	702930500	MBH-8.05.107	pin	1
10	700080010	200. 56. 011	Locking pin	5
11	503010763	DIN985-M12	nut	4
12	506010057	GB97. 1-12	Plain washer	8
13	501011127	GB5783-M12X35	bolt	1

14	802930495	MBH-8.05.014Y-1	Control box weldment	1
15	702930506	MBH-8.08.118	Seal washer	1
16	702930505	MBH-8.08.117	Oil tank cap	1
17	510015240	JB982-16	Washer M16	2
18	703070084	CBW-00-011	Oil plug M16X1.5	1
19	702910272	MBH-6.05.106	Protection rod	1
20	501011117	GB5783-M10X50	Bo1t	2
21	503010099	GB6172.1-M10	Nut	2
22	501011087	GB5783-M6X12	Bo1t	4
23	506030034	GB93-6	Spring washer	4
24	506010054	GB97. 1-6	Plain washer	4
25	509010010	JB7941.2-M16X1.5	Oil level	1
26	805780303	MBH-6.05.015Y	Rear cover weldment	1
27	506010055	GB97. 1-8	Plain washer	4
28	506030035	GB93-8	Spring washer	4
29	501011099	GB5783-M8X20	Bo1t	4
30	802900096	MBH-5.05.016Y	Supporting base weldment	1
31	501010764	GB5782-M12X110	Bo1t	3
32	501010820	GB5782-M22X110	Bo1t	1
33	506010062	GB97. 1-22	Plain washer	10
34	503010052	GB6170-M22	Nut	5
35	702930504	MBH-8.05.202	Pull plate	1
36	501010818	GB5782-M22X90	Bo1t	2
37	702830027	BH-6. 05. 216	Suspensive plate	2
38	501011214	GB5783-M22X50	Bolt	2
39	702930503	MBH-8.05.201-1	Pull plate	1
40	802910306	MBH-6.05.019-XS	IPT	1
41	702830020	BH-6. 05. 105	Pin shaft	2

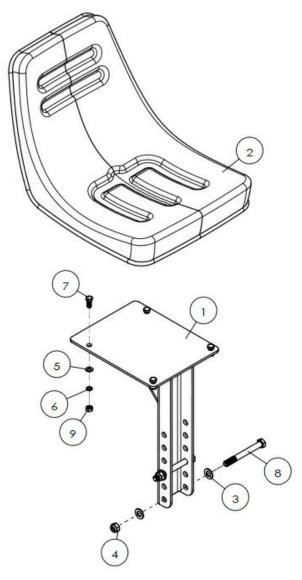
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10.6 Support Leg Assembly



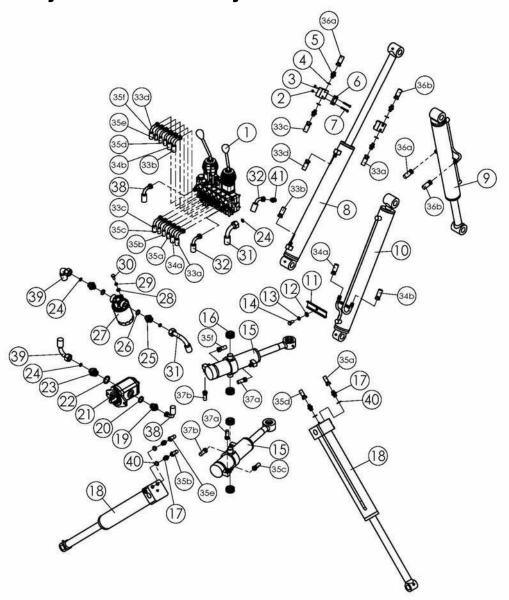
Item	品号	Part No. Sp	ecification Qty	
1	509010007	GB1152-M6	Oil nipple	1
2	802890022	BH-8.06.012	Supporting leg	1
3	802890018	BH-8.06.011	Base	1
4	802890027	BH-8.06.013	Pin shaft	1
5	506030037	GB93-12	Spring washer	1
6	501011125	GB5783-M12X25	Bolt	1

10.7 Seat Assembly



Item	品号 Pa	rt No. S	pecification Qty	
1	802900118	MBH-5.07.011-1	Height adjusting weldment	1
2	706040001	LW-7.06.101	Bucket	1
3	506010057	GB97. 1-12	Plain washer	4
4	503010763	DIN985-M12	Nut	2
5	506010055	GB97. 1-8	Plain washer	4
6	506030035	GB93-8	Spring washer	4
7	501011099	GB5783-M8x20	Bolt	4
8	501010764	GB5782-M12x110	Bolt	2
9	503010045	GB6170-M8	Nut	4

10.8 Boom Cylinder Assembly

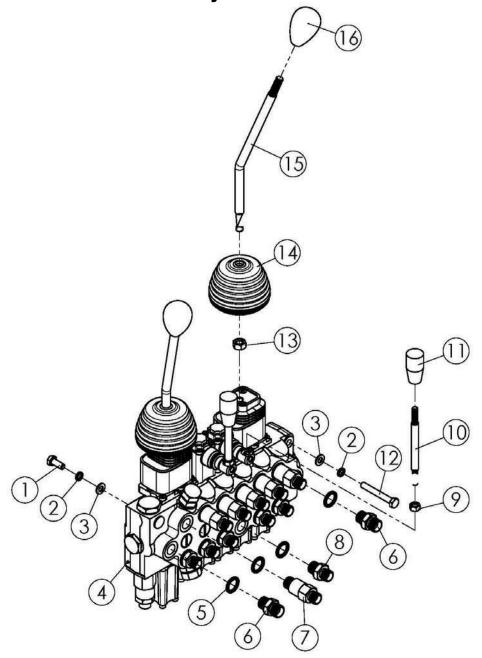


Item	品号	Part No.	Specification Qty	
1	802850145	BH-8. 08. 014	Valve	1
2	503010759	DIN985-M6	Nut	4
3	702900139	MBH-5.08.133	Block	2
4	510015239	JB982-进(Washer	14. 7X22X1. 5 4	
5	702930541	MBH-8.08.308Y	Connect part	4
6	702910100	MBH-6.08.132	Washer	2
7	501010733	GB5782-M6X50	Bolt	4
8	702930517	MBH-8.08.012-1	Front arm cylinder	1
9	702930516	MBH-8.08.011-1	Bucket cylinder	1
10	702930518	MBH-8.08.013-1	Boom cylinder	1
11	702930537	MBH-8.08.134	Plate	1

12	506010057	GB97. 1-12	Plain washer	1
13	506030037	GB93-12	Spring washer	1
14	501011125	GB5783-M12X25	Bolt	1
15	702930522	MBH-8.08.023-1	Swing cylinder	2
16	702830130	GE30ES-2RS	Bearing	4
17	702990148	1CB-16-06WD	Joint M16X1.5-G3/8	4
18	702890032	BH-8.08.019	Supporting leg cylinder	2
19	702930521	MBH-8. 08. 306Y	Oil pump joint	1
20	516010050	TDQ-27	Bronze washer	1
21	702830116	CBF-F440-ALPL	Pump	1
22	516010051	TDQ-33	Bronze washer	1
23	702830105	BH-6. 08. 123	Oil pump joint	1
24	510013126	GB3452. 1-G-14X2. 65	O seal washer	4
25	703730001	LW-7.07.101	Joint	2
26	510015243	JB982-鱧(Washer	22. 7X30X2. 0	
27	702830117	YX0811A	Oil filter	1
28	506010056	GB97. 1-10	Plain washer	2
29	506030036	GB93-10	Spring washer	2
30	501011112	GB5783-M10X25	Bolt	2
31	702910341	MBH-6.08.021	Hose	1
32	702910337	MBH-6.08.016	Hose	1
33	702890035	BH-8.08.029	Hose	4
34	702890034	BH-8.08.028	Hose	2
35	702890033	BH-8.08.027	Hose	6
36	702930525	MBH-8.08.030	Hose	2
37	702930528	MBH-8.08.039	Hose	3
38	702890031	BH-8.08.015	Hose	1
39	702910340	MBH-6.08.020	Hose	1
40	700050008	03选(Washer 17	28X23. 80X2. 03 8	
41	700250036	1CB-18-06WD	Joint M18X1.5-G3/8	1

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10.9 Control Valve Assembly



Item	유 <u></u>	Part No.	pecification Qty	
1	501011099	GB5783-M8X20	Bolt	1
2	506030035	GB93-8	Spring washer	3
3	506010055	GB97. 1-8	Plain washer	3
4	702830114	BH8HD65	Valve (Y)	1
5	700050008	03 选 (Washer 17.	28X23. 80X2. 03 14	
6	700250036	1CB-18-06WD	Joint M18X1.5-G3/8	2
7	702930538	MBH-8.08.301Y	Joint	6
8	702990148	MBH-8.08.302Y	Joint	6

9	503010045	GB6170-M8	Nut	2
10	702910335	MBH-6.08.108	Control handle	2
11	702830121	ВН-6. 07. 091	Control handle cover	2
12	501010742	GB5782-M8X65	Bolt	2
13	503010046	GB6170-M10	Nut	2
14	702830088	ВН-6. 08. 105	Rubber cover	2
15	702900140	MBH-5.08.107	Control handle	2
16	702830120	ВН-6. 07. 090	Control handle cover	2

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Fax to 541-895-2756 or E-mail

Description	Model Nur Serial Num Purchased	mber: ber: From: Date:	
Description	Qty	Price	
<u> </u>			Amount

Value-Leader BHM 8 40 Revision 12-12-2017

Value-Leader Brand 1 Year Warranty

Unless otherwise stated on purchase invoice, Betstco warrants to original Purchaser that Value-Leader products are free from major deffects in material under normal use and service for a period of 1 Year from the date the product is purchased or shipped, whichever is later. Commercial use 180 days. Use at address that is not yours, is considered commercial use. Consumable, Expendalble, Wear Items (Rubber plastic parts, hydraulic hoses, belts, tires, cables, blades, tines, wedges, teeth, tiups, chains, pins, brushes, filters, etc) and cracked hydraulic pumps, bent or broken cylinder rods are not covered under this warranty. Warranty does not cover items that have been modified, damaged by abuse or usage not in accordance with design or maintenance.

Betstco obligation under this warranty is to repair or replace defective upon approval by; Betstco, 83371 Melton Rd, Creswell OR 97426 that Warranty Claim is valid. Product shall be returned upon request of Betstco. Transportation charges to be prepaid by user.

Gasoline or diesel engines used to powered Value-Leader products are covered by the warranty of the appropriate engine manufacturean Purchaser must look to the engine manufacture for all issues relating to engine operation.

Betstco assumes no responsibility for outside labor.

PERMISSABLE BY APPLICABLE LAW, BETSTCO HEREBY DISCLAIMS ALL WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, ANY IMPLIED WARRANTIES WITH RESPECT TO THE PRODUCT PURCHASED, WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, BETSTCO HEREBY EXPRESSLY DISCLAIMS ALL LIABILITY FOR PRODUCT DEFECT OR FAILURE, CLAIMS THAT ARE DUE TO NORMAL WEAR, PRODUCT MISUSE, ABUSE, PRODUCT MODIFICATION, IMPROPER PRODUCT SELECTION, NON-COMPLIANCE WITH ANY CODES, OR MISAPPROPRIATION. BETSTCO MAKES NO WARRANTIES TO THOSE DEFINED AS "CONSUMERS" IN THE MAGNUSON-MOSS WARRANTY FEDERAL TRADE COMMISION IMPROVEMENTS ACT. THE FOREGOING EXCLUSION OF IMPLIED WARRANTIES DO NOT APPLY TO THE EXTENT PROHIBITED BY LAW. PLEASE REFER TO YOUR LOCAL LAWS FOR ANY SUCH PROHIBITIONS.

THERE SHALL BE NO LIABILITY FOR PRODUCT LIABILITY OR LIABILITY ON THE PART OF BETSTCO FOR ANY GENERAL SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE SALE OR USE OF ANY PRODUCTS SOLD BY BETSTCO OR AN AGENT THEREOF, BETSTCO MAKES NO WARRANTIES, EXPRESS OR IMPLIED, (INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS OF THE PRODUCTS FOR ANY PURPOSE) WITH RESPECT TO THE PRODUCTS COVERED BY THIS AGREEMENT EXCEPT AS IN THIS PARAGRAPH OTHERWISE EXPRESSLY PROVIDED.

THIS IS THE SOLE AND ONLY WARRANTY OF VALUE-LEADER PRODUCTS, NO OTHER WARRANTY IS APPLICABLE, EITHE EXPRESSED OR IMPLIED, IN FACT BY LAW.

This warranty shall not be interpreted to render Betstco, or any authorized agent liable for injury or damages of any kind or nature, direct, consequential, or contingent, to a person or property.

The sole and only remedy in regard to any defective product shall be the repair or replacement thereof as herein provided, Betstco, agent(s) of Betstco shall not be liable for any consequential, special, incidental or punitive damages resulting from or caused by any such defects

Betstco reserves the rights to make improvements in design or changes in specifacations at any time, without incurring any obligations to owners of the units previously sold.

WARRANTY VOID IF REGISTRATION IS NOT RECEIVED OR RECORDED ONLINE WITHIN 30 DAYS OF PURCHASE DATE OR SHIP DATE, WHICHEVER IS LATER.



est.1995

ITEM:	MODEL#	PURCH	HASE DATE:	
PURCHASED FROM:		GIFT I	NV# ORDER#_	
OWNER NAME:		SERIAI	L#	
OWNER ADDRESS:				
CITY:		COUNTY:	ST:	ZIP:
PHONE:		EMAIL:		
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I (PURCHASER) HAVE READ				
READ/AND EXPLAINED ALL				
COVER ANY LABOR AND TH				
ING ARBITRATION IS COND			` '	
SW KRUSE WAY PLACE ST 3				
EST TO BETSTCO. I ACKNO				
OR REPLACE DEFECTIVE PA				
EDGE RECEIPT OF MY OPE				
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SPECIFACATIONS, OPERATI				
IS ALONE AM RESPONSIBI VALUE-LEADER ITEM	LE FUR PROPER IVII	AINTENANCE, CA	KE AND SAFE C	PERALIUNUF IHIS
I (PURCHASER) AGREE THA	AT DERSONS NOT E	ΔΝΛΙΙΙΔΡ Μ/ΙΤΗ ΤΗ	IE OPERATION (OF THIS ITEM
SHOULD NOT BE ALLOWED				
NEAR POWER PRODUCTS \				_
SHOULD HAVE READ OPER				
OWNERS SIGNATURE: x			DATE:	/ /

YOU MUST SIGN THIS WARRANTY AND MAIL OR FAX A COPY TO BETSTCO, 83371 MELTON RD N. #3, CRESWELL OR. IF YOU PREFER YOU MAY COMPLETE YOUR REGISTRATION ONLINE AT WWW.VALUE-LEADER.COM. THIS WARRANTY IS NOT EFFECTIVE UNLESS PURCHASER COMPLETE REGISTRATION AND WARRANTY FOR WITHIN 30 DAYS OF PURCHASE OR SHIP DATE WHICHEVER IS LATER.

NOTE: WE MAY REFUSE WARRANTY OF ANY KIND UNLESS BETSTCO, RECEIVES A COMPLETED, LEGIBLE AND SIGHNED WARRANTY REGISTRATION. IT IS THE RESPONSIBILITY OF THE PURCHASER TO ASSURE THAT REGISTRATION DOCUMENT IS RECIEVED BY BETSTCO.

1 YEAR EXTENDED WARRANTY & REGISTRATION VALUE LEADER IMPLEMENTS BRANDED PRODUCTS 1 YEAR EXTENDED WARRANTY

1 Year Extended Warranty amends to original Recorded Warranty Registration the time period of described coverage. Extended Warranty does not apply to consumable and Expendable Item as described in Product Warranty Registration.

This amendment does not affect any other part of recorded Warranty Registration or policy.

No one is authorized to alter, modify, or enlarge this Amendment to original recorded Warranty Registration

EXTENDED REGISTRATION & PAYMENT MUST BE RECEIVED WITHIN 30 DAYS OF PURCHASE DATE

EXTENDED WARRANTY REGISTRATION

PRODUCT & MODEL #		
SERIAL #		
OWNER NAME :		_
BETSTCO INVOICE #		
ACCEPTANCE OF RESPONSIBILITY:		
I (PURCHASER) HAVE READ AND UNDERSTAND THE EXTENDED	WARRANTY OR	SOMEONE HAS
READ AND EXPLAINED ALL THE ABOVE TO ME. I UNDERSTAND	THIS EXTENDED	WARRANTY DOES
NOT COVER ANY LABOR. I HAVE FILED MY ORIGINAL WARRANT	Y REGISTRATIO	N AND FULLY
UNDERSTAND MY REQUIREMENTS. I UNDERSTAND THAT I ALO	NE AM RESPO	ISIBLE FOR
PROPER MAINTENANCE, CARE AND SAFE OPERATION OF THIS	TRACTOR IMP	LEMENT.
OWNERS SIGNATURE: x	DATE:	

YOU MUST SIGN THIS WARRANTY AND MAIL OR FAX A COPY TO BETSTCO, 83371 MELTON RD, CRESWELL OR. IF YOU PREFER YOU MAY COMPLETE YOUR REGISTRATION ONLINE AT WWW.VALUE-LEADER.COM. THIS WARRANTY IS NOT EFFECTIVE UNLESS PURCHASER COMPLETE REGISTRATION AND WARRANTY FOR WITHIN 30 DAYS OF PURCHASE OR SHIP DATE WHICHEVER IS LATER.

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