

TT2000 KBH Dry Fertilizer Auger Tender Manual



The KBH Corporation

P.O. Box 670, Clarksdale, MS 38614

800-843-5241 <u>www.kbhequipment.com</u>

062118



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TRAILER INFORMATION

CUSTOMER UNIT #:	
[
VIN:	
KBH SERIAL #:	
ENGINE MAKE AND #:	
DATE OF MANUEA CTUBE	
DATE OF MANUFACTURE:	
DATE OF DELIVERY:	
NOTES:	

Preventive Maintenance Schedule

Daily Pressure wash trailer frame and hoppers to remove fertilizer including door tracks

Daily Attach water hose to discharge auger fitting & run at max RPM for 5 minutes

Daily Check diesel and engine oil

Weekly Grease brake slack adjusters (4 zerks per axle)

Weekly Check tire pressure – maintain 120 psi

Weekly Check lug nuts – maintain (see page 13 decal for specs)

Weekly Check lights and brake hoses and fittings. Check brake linings and adjustment.

Weekly Discharge auger – grease bottom, hanger and top bearings

Weekly Belly auger – grease front and rear bearings. Side Auger – and hanger bearing

Weekly Check hydraulic pressure at valves

Belly auger maintain 2500 psi Discharge auger maintain 2500 psi

Weekly Side Fold – grease all pivot points (6 zerks)

Weekly Vibrators – test for proper operation

Weekly Check stainless steel hoppers for hammer marks

Weekly Check hydraulic oil level in reservoir

Weekly Check that all guards or other safety devices and decals are in place and

functioning properly

Monthly Start and idle engine for 5 minutes to lubricate turbo charger

Semiannually Change exterior filter on hydraulic oil reservoir

Semiannually Bleed brake air tank to prevent rusting

Annually Change engine oil, change oil filter and fuel filter

Annually Clean interior stainless steel strainer in oil reservoir

Operation

- Before operation check that daily, weekly, semiannually and annually maintenance and inspections are complete
- Open tarp
- Make sure all personal are clear of trailer and moving parts. Check that no one is in hopper.
- Start engine and idle to lubricate turbo charger
- Throttle up
- Check that clean out doors are closed
- Start discharge auger
- Start belly auger (if unloading front hopper)
- Adjust discharge auger to desired unload height
- Start flow of material by opening door of hopper to be unloaded. Unload one hopper at a time. Regulate rate of unload by door opening.
- Stop discharging product by closing door in use. Allow 15 seconds of auger cleanout before stopping auger(s)
- Lower auger
- Throttle engine down to idle and shut off engine
- Close tarp

If Discharge Auger Become Clogged

- Close both hopper doors
- Lower auger
- Open clean out doors
- **NEVER** enter the hopper with the engine running!
- Turn **hydraulic flow** control valve counter clockwise. Activate discharger auger valve. This will turn the discharge auger in reverse. Repeating to activate the discharge auger in reverse should unclog the auger.
- When auger is cleared, <u>remember</u> to turn **hydraulic flow control valve** clockwise for proper unloaded of product.

Accessories Parts

Part

Description









121158 MUD FLAP WITH KBH LOGO AND SLOTTED MOUNTING HOLE MBP005 4 HYDRAULIC HOSE CLAMP 121139 AUGER / TAIL LIGHT GROMMET (PRE 2018 MODEL) 121237 AUGER LIGHT BRACKET (PRE 2018 MODEL) 121372 AUGER LIGHT - AMBER STROBE LIGHT (PRE 2018 MODEL) 121428 PLUG FOR AMBER LIGHT 136208 DIESEL FUEL TANK 20 GALLON, INCLUDES FITTINGS & CAP 149001 BATTERY BOX - PLASTIC 121408 DOCUMENT HOLDER 3.5" X 12" ROUND FH173 SS AGITATION ROD AND HANDLE 114044 DIESEL / GAS LINE HOSE 5/16" x 25' FH153 THROTTLE HANDLE EXTENSION KIT W/ BRACKET (DEUTZ) RETRO FIT KIT FH156 THROTTLE HANDLE EXTENSION ONLY FHSA202 ELECTRIC VIBRATOR RETRO FIT KIT (2) Vibrators, SS brackets, push buttons, wires FHSA204 HYDRAULIC VIBRATOR RETRO FIT KIT (2) Vibrators, SS brackets, valves 103036 TRAILER WIRING HARNES COMPLETE FRONT TO BACK OF TRAILER 121238 ELECTRIC VIBRATOR ONLY (1) 150006 5 PORT LUBE BLOCK 150008 90 DEGREE LUBE LINE QUICK CONNECT 1/8 MPT 151266 2 BUTTON VIBRATOR CONTROL BOX WITH WIRING	rait#	Description
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121238 ELECTRIC VIBRATOR ONLY (1) 150006 5 PORT LUBE BLOCK 150008 90 DEGREE LUBE LINE QUICK CONNECT 1/8 MPT 151266 2 BUTTON VIBRATOR CONTROL BOX WITH WIRING	FHSA204	HYDRAULIC VIBRATOR RETRO FIT KIT (2) Vibrators, SS brackets, valves
150006 5 PORT LUBE BLOCK 150008 90 DEGREE LUBE LINE QUICK CONNECT 1/8 MPT 151266 2 BUTTON VIBRATOR CONTROL BOX WITH WIRING	103036	TRAILER WIRING HARNES COMPLETE FRONT TO BACK OF TRAILER
150008 90 DEGREE LUBE LINE QUICK CONNECT 1/8 MPT 151266 2 BUTTON VIBRATOR CONTROL BOX WITH WIRING	121238	ELECTRIC VIBRATOR ONLY (1)
151266 2 BUTTON VIBRATOR CONTROL BOX WITH WIRING	150006	5 PORT LUBE BLOCK
151266 2 BUTTON VIBRATOR CONTROL BOX WITH WIRING		
	150008	90 DEGREE LUBE LINE QUICK CONNECT 1/8 MPT
150010 1/8 NPT STRAIGHT GREASE FITTING	151266	2 BUTTON VIBRATOR CONTROL BOX WITH WIRING
130010 1/0 NET STRAIGHT GREASETTTING	150010	1/8 NPT STRAIGHT GREASE FITTING
150009 1/4" NYLON LUBE HOSE 625 PSI (100') 88' / TN	150009	1/4" NYLON LUBE HOSE 625 PSI (100') 88' / TN

NEW PARTS – STACK VALVES

117235	6 SECTION STACK VALVE (STANDARD TENDER)
117236	7 SECTION STACK VALVE (SIDE FOLD)
117237	10 SECTION STACK VALVE (3 & 4 HOPPER)

Discharge Auger Parts

Part

Description













100016	1.5" 4 BOLT FLANGE SS BEARING W/ PLASTIC HOUSING
100010	1.5 4 BOLT FLANGE 33 BEARING W/ FLASTIC HOUSING
124020	FLANGE BEARING GASKET
116166	2" X 12" HYDRAULIC CLEAN OUT DOOR CYLINDER 1 1/8" ROD
117071	HYDRAULIC MOTOR DISCHARGE AUGER
100030	1.5" 4 BOLT FLANGE BEARING
121050	1.5" X 9 3/8" DRIVE SHAFT MILD STEEL
121118	1.5" X 9 3/8" DRIVE SHAFT SS STEEL
121049	1.5" X 11.5" HANGER SHAFT (BETWEEN 138" & 144" SCREW)
121051	1.5" X 12.5" STUB SHAFT
147050	SPLIT MILD STEEL AUGER / MOTOR COUPLING
147051	SPLIT SS AUGER / MOTOR COUPLING
121002	DISCHARGE AUGER SCREW 138" SCH 80 TOP DISCHARGE SCREW
121083	3/32 EDGE SS / CARBON 144" DISCHARGE SCREW SCH 80 FIRST 24" OF SCREW
121085	SS
111034	1018 KEY 3/8" X 3/8" X 3"
121119	1.5" HANGER 9" SS HANGER WITH GREASE TUB
121053	1.5" HANGER 9" HANGER WITH GREASE TUB
121090	1.5" BRONZE HANGER BEARING
	CLEAN OUT DOOR - 1/2" X 13 5/16" X 18" PLASTIC BLK UHMW WITH
124011	HOLES
FHSA137	DISCHARGE AUGER KIT (STAINLESS STEEL)
FH128	DISCHARGE AUGER HANGER PIN
FHSA127	DISCHARGE AUGER KIT (MILD STEEL)
FASA200	HYDRAULIC CLEAN OUT DOOR KIT
FHSA231	CLEAN OUT DOOR WITH TAB - 1/2" X 13 5/16" X 18" PLASTIC BLK UHMW WITH HOLES

Hydraulic System Parts

Part #	Description
121429	HYDRAULIC VIBRATOR
117112	HVDDALILIC VIRDATOD VALVE

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1 01 0 11	263611611
121429	HYDRAULIC VIBRATOR
117112	HYDRAULIC VIBRATOR VALVE
117021	DISCHARGER AUGER VALVE - SINGLE SPOOL VALVE
117113	TOP HOPPER DOOR VALVE - TOW SPOOL VALVE
117016	VALVE HANDLE BRACKET - CASTING
117017	LINK AND PIN KIT FOR VALVE HANDLE
117200	LINK AND PIN KIT FOR VALVE HANDLE - STAINLESS STEEL
117018	VALVE HANDLE - CROSS
117175	SEAL KIT FOR HYDRAULIC MOTORS - BELLY AND DISCHARGE
117235	6 Bank Valve – Operates Top & Bottom Doors, Auger Cylinder, Vibrators
117071	HYDRAULIC MOTOR - DISCHARGE AUGER
117072	HYDRAULIC MOTOR - BELLY AUGER
117182	2 SPOOL VALVE FOR BELLY AUGER AND REAR CYL RAISE/LOWER VALVE
117185	HAYES PUMP DRIVE FOR DEUTZ ENGINE
126378	WEBSTER HYDRAULIC PUMP FOR DEUTZ ENGINE
126501	WEBSTER HYDRAULIC PUMP FOR ISUZU ENGINE
117199	PUMP REPAIR KIT (2 kits per pump)
116144	2" X 12" HYDRAULIC CYLINDER LESS CLEVIS FOR HOPPER DOORS
116166	2" X 12" HYDRAULIC CYLINDER W/ CLEVIS FOR CLEAN OUT DOORS 1 1/8" ROD
116150	3" X 36" HYDRAULIC CYLINDER FOR REAR AUGER LIFT 1 1/2" ROD
FHSA203	AUGER REVERSE KIT
MB107	HYDRAULIC RESERVOIR
108006	1.25" SPIN ON FILTER COMPLETE
108008	1.5" SUCTION STRAINER (BOTTOM SUCTION OF OIL RESERVOIR
112171	1 /2" MADT TO EDT TO EDT TEE
112171	1/2" MPT TO FPT TO FPT TEE
109001 123071	3000 PSI HYDRAULIC PRESSURE GUAGE .75" X .5" STEEL MERCH HEX BUSH
112024	3/8" 37 X 1/4" MPT ELL 90
112024	3/4" 37 X 3/4" MPT ELL 90 3/4" 37 X 3/4" MPT ELL 90 SQUARE SHOULDER
11202/	3/4 3/ A 3/4 IVIPT ELL 30 SQUARE SHOULDER
112031	1" MPT X 1" MJIC

112019	.75" MP X .75" MJ FITTING
112047	1" ORB X .75" MJIC FITTING
112051	.75" MJIC X .75" O-RINT FTG
112053	3/8" BULKHEAD NUT
112055	1/4" FPT X 3/8" 37 BKHD FTG
112061	3/8" MPT X 3/8" FPT 90 SWIVEL
112039	1.5" HOSE X 1.25" ORB ELL 90
112102	1/2" MPT X 1/2" FPT .031 RES
114036	1.5" 1-WIRE SUCTION 4'
	POWER BEYOND SLEEVE FOR HYD DOOR VALVE TO CLEANOUT DOOR
117170	VALVE
	TO ALLOW FLOW TO TRANSFER OUT



Belly Auger Parts

Part #	Descriptio









EUG 4 4 0 6	DELLY ALIGED WIT (A AU D. CTEEL)
FHSA126	BELLY AUGER KIT (MILD STEEL)
FHSA200	HYDRAULIC CLEAN OUT DOOR KIT
124020	FLANGE BEARING GASKET
117072	HYDRAULIC MOTOR - BELLY AUGER
100030	1.5" 4 BOLT FLANGE BEARING
	SS/CARBON 106" SCREW 9'9" RH X 106" SCH 40 PIPE - FIRST / LAST
121082	18" SS
121050	1.5" X 9 3/8" DRIVE SHAFT MILD STEEL
121118	1.5" X 9 3/8" DRIVE SHAFT SS STEEL
147051	SPLIT SS AUGER / MOTOR COUPLING
111034	1018 KEY 3/8" X 3/8" X 3"
116166	2" X 12" HYD CLEAN OUT DOOR CYLINDER 1 1/8" ROD WITH CLEVIS
	CLEAN OUT DOOR - 1/2" X 13 5/16" X 18" PLASTIC BLK UHMW WITH
124011	HOLES
FHSA136	BELLY AUGER KIT (STAINLESS STEEL)
	CLEAN OUT DOOR WITH TAB - 1/2" X 13 5/16" X 18" PLASTIC BLK UHMW
FHSA231	WITH HOLES

Tarp System Parts

Part

Description





148076	TARP BOW ONE PIECE (AGRI COVER) FOR TT1000
148009	V-CABLE BRACKET
148070	SRT2 STAINLESS STEEL CABLE
148008	V-CABLE FOR TENDER TARP
148015	23'8" RED TENDER TARP (2011 MODEL AND OLDER)
148066	SRT2 RATCHET ASSY WITH STRAP STAINLESS STEEL
148006	2" POLY STRAP X 2' WITH J HOOK
FH139	TARP CRANK PIPE
148064	TARP ONE PIECE (AGRI COVER) SRT TAPR 110 X 276 SRT-2A
148065	11' TARP HANDLE W/ FLEX DRIVE
148060	TARP COVER RIDGE STRAP
148069	AGRI COVER 3" ROLL TUBE COMPLETE
148068	SRT2 LONG TARP STOP ASSEMBLY
148067	SRT2 SHORT TARP STOP ASSEMBLY
PIP020	1 1/8" OD 16 GA GALV TUBE X 288"
148014	TARP RATCHET HANDLE FOR 2011 MODEL AND OLDER
148082	REAR CABLE SPOOL
148081	FRONT CABLE SPOOL
FH137	TARP PIPE 24' X 2" WITH U-JOINT
148055	TARP KIT LESS BOWS FOR TT1000
148016	U-JOINT ONLY FOR TARP
148075	PLASTIC CRANK HANDLE HOLDER ASSEMBER (SS-NYLON)





Warning Decals



ATTENTION

- It is important to maintain 2500 PSI operating pressure for both augers.
- To check and maintain correct pressure, power up the engine to full throttle.
- First push auger valve handle toward the valve and hold for 15 seconds and check guage.
- If pressure is not at proper setting, locate acorn nut at left of valve and remove.
- While holding valve handle inward use flathead screwdriver and turn clockwise to increase pressure to 2500 PSI.



ENTANGLEMENT HAZARD!

Stay clear of moving parts!

Failure to comply will result in death or serious injury.

DFS-006

A IMPORTANT

ADJUSTING OF RATCHETS IS FOR SET-UP ONLY!
RELEASING OF RATCHETS MAY CAUSE IMPROPER TENSIONING OF TARP.

D/N 20500 A



ENTANGLEMENT HAZARD!

Stay clear of moving parts!

Failure to comply will result in death or serious injury.

DFS-006

AWARNING

THIS VEHICLE IS EQUIPPED WITH HUB PILOT WHEEL SYSTEM

WHEEL INSTALLATION

- TIGHTEN NUTS FIRST TO 50 FT-LB, THEN TO 450-500 FT-LB TOROUF
- RETORQUE 50 TO 100 MILES AFTER INSTALLATION, CHECK TORQUE PERIODICALLY THEREAFTER.
- TORQUE SEQUENCE PER DIAGRAM.
- AVOID WHEEL OR BRAKE DRUM BINDING ON HUB.
- USE 2-PIECE FLANGE NUTS, RIGHT HAND THREAD.
- BEFORE INSTALLING NUTS, APPLY OIL TO STUD THREADS, AND BETWEEN NUT BODY & FLANGE.



10-Hole Sequence

Wheel and tire servicing can be dangerous. ALWAYS REMOVE ALL AIR FIRST BEFORE DISMOUNTING TIRES. Follow proper procedures as required by OSHA Regulation 1910,177 for tire and rim / wheel servicing.

IMPORTANT

THIS VALVE IS FOR CHECKING PRESSURE ONLY. TO CHECK PRESSURE, TURN KNOB CLOCKWISE UNTIL CLOSED. **PUSH VALVE HANDLE** IN REVERSE POSITION **& HOLD FOR 10-15 SECONDS & ADJUST** IF NEEDED. TURN **COUNTER CLOCKWISE** WHEN FINISHED.







POOR FUEL VOIDS ENGINE WARRANTY SEE ENGINE GUIDE