

HAGIE

Destroyer



INSTRUCTION MANUAL FOR HAGIE MALE ROW DESTROYER

HAGIE MANUFACTURING COMPANY

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COVERS MALE ROW DESTROYER (REAR) ATTACHMENT NUMBER: 001025
MALE ROW DESTROYER (FRONT) ATTACHMENT NUMBER: U30408

02-09 493464

ABBREVIATIONS

ADJ.....	ADJUST	M/F.....	MAINFRAME
ADPTR.....	ADAPTER	MT.....	MOUNT
AMP.....	AMPERE	MTH.....	MONTH
APPROX.....	APPROXIMATELY	MTR.....	MOTOR
ASSY.....	ASSEMBLY	NO.....	NUMBER
AUX.....	AUXILIARY	OD.....	OUTSIDE DIAMETER
BRKT.....	BRACKET	PLT.....	PLATE
CTRL.....	CONTROL	PRESS.....	PRESSURE
CYL.....	CYLINDER	PSI.....	POUNDS PER SQUARE INCH
DIAG.....	DIAGRAM	REC.....	RECOMMENDED
DIM.....	DIMENSION	REQ.....	REQUIRED
EA.....	EACH	RH.....	RIGHT HAND
ELECT.....	ELECTRIC	SERV.....	SERVICE
FIG.....	FIGURE	SPEC.....	SPECIFICATION
FRT.....	FRONT	SQ.....	SQUARE
FT.....	FOOT OR FEET	UPR.....	UPPER
HYD.....	HYDRAULIC	VLV.....	VALVE
ID.....	INSIDE DIAMETER	W.....	WEIGHT
IN.....	INCH	W/.....	WITH
INFO.....	INFORMATION	W/O.....	WITHOUT
LH.....	LEFT HAND	WLD.....	WELDMENT
LS.....	LIGHT SENSOR		
LWR.....	LOWER		
MAINT.....	MAINTENANCE		

TO THE OWNER



A WORD FROM HAGIE MANUFACTURING COMPANY

Congratulations on your selection of a Hagie Male Row Chopper. We recommend that you study this Instruction Manual and become acquainted with the installation and operating procedures before attempting to operate your new attachment. As with any piece of equipment, certain operating procedures, service, and maintenance are required to keep it in top running condition.

We have attempted herein to cover all of the adjustments required to fit varying conditions. However, there may be times when special care must be considered.

Hagie Manufacturing Company reserves the right to make changes in the design and material of any subsequent attachment without obligation to existing units.

We thank you for choosing a Hagie Male Row Chopper and assure you of our continued interest in its satisfactory operation for you. If we might be of assistance to you, please call us.

We are proud to have you as a customer.

CAUTION

READ OPERATOR'S MANUAL. BE ALERT. LEARN TO OPERATE THIS MACHINE SAFELY. OBSERVE ALL SAFETY PRACTICES. MACHINES CAN BE HAZARDOUS IN THE HANDS OF AN UNFAMILIAR, UNTRAINED, OR COMPLACENT OPERATOR. SHUT OFF ENGINE BEFORE SERVICING. WHEN MECHANISM BECOMES CLOGGED, SHUT OFF ENGINE BEFORE CLEANING. DON'T RISK INJURY OR DEATH.

650852

TO THE OPERATOR

The following pages and illustrations will help you operate and service your new attachment. It is the responsibility of the user to read the Instruction Manual and comply with the safe correct operating procedures and lubricate and maintain the product according to the maintenance schedule.

The user is responsible for inspecting the attachment and having parts repaired or replaced when continued use of the product causes damage

or excessive wear to other parts.

Keep this manual in a convenient place for easy reference when problems arise. This manual is considered a permanent fixture with this attachment. In the event of resale, this manual should accompany the attachment. If you do not understand any part of the manual or require additional information or service, contact the Hagie Customer Support Department:

Hagie Manufacturing Company
721 Central Ave West
Box 273
Clarion, IA 50525-0273
(515) 532-2861

The following symbols, found throughout this manual, alert you to potentially dangerous conditions to the operator, service personnel, or the equipment.



This symbol indicates an immanently hazardous situation which, if not avoided, will result in death or serious injury.



This symbol indicates a potentially hazardous situation which, if not avoided, could result in death or injury.



This symbol indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

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I. SAFETY/DECALS

WARNING DECALS

Decals warning you of avoidable danger are located on various parts of the detasseler. They are there for your personal safety and protection. DO NOT remove them. They will fracture upon attempted removal and therefore must be replaced.

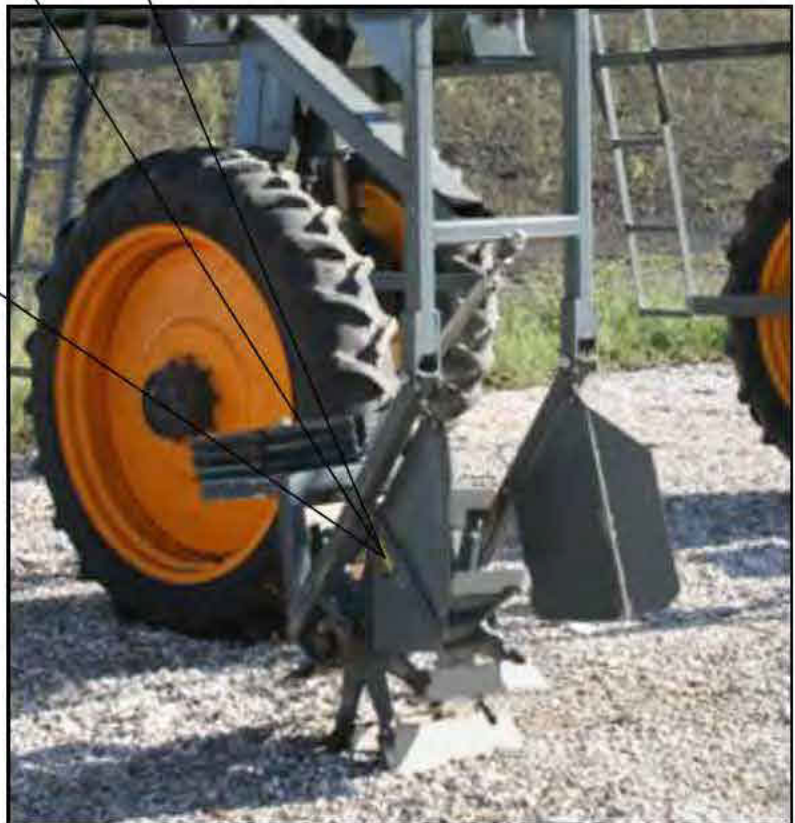
Following are locations of important safety decals. Replace them if they are torn or missing. All

warning decals and other instructional Hagie decals or machine striping may be purchased through the Hagie Customer Support Department. To replace decals, be sure that the installation area is clean and dry; decide on exact position before you remove the backing paper.

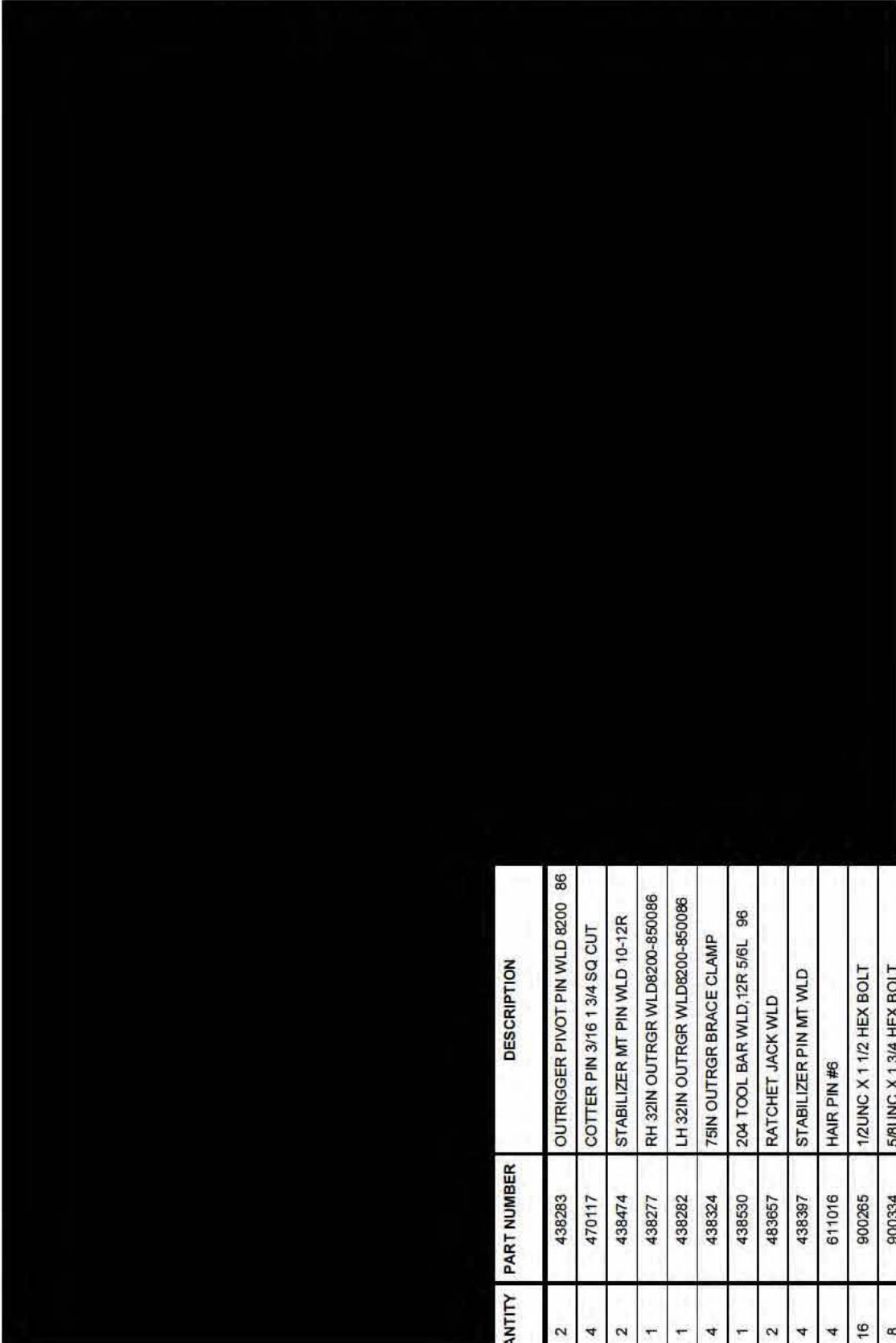
DECAL LOCATION



650820- (2) one on each side of the male row chopper.



II. FRONT MOUNTED CHOPPER ATTACHMENT



DETAIL	QUANTITY	PART NUMBER	DESCRIPTION
1	2	438283	OUTRIGGER PIVOT PIN WLD 8200 86
2	4	470117	COTTER PIN 3/16 1 3/4 SQ CUT
3	2	438474	STABILIZER MT PIN WLD 10-12R
4	1	438277	RH 32IN OUTRGR WLD8200-850086
5	1	438282	LH 32IN OUTRGR WLD8200-850086
6	4	438324	75IN OUTRGR BRACE CLAMP
7	1	438530	204 TOOL BAR WLD,12R 5/6L 96
8	2	483657	RATCHET JACK WLD
9	4	438397	STABILIZER PIN MT WLD
10	4	611016	HAIR PIN #6
11	16	900265	1/2UNC X 1 1/2 HEX BOLT
12	8	900334	5/8UNC X 1 3/4 HEX BOLT
13	20	914010	5/8UNC HEX STOVER NUT
14	16	914008	1/2UNC HEX STOVER NUT
15	3	438762	16" HOIST COL ADPTR WLD, 204 04
16	6	438293	5/8UNC X 6 1/4 CTR U-BOLT TRI
17	3	438292	TOOL BAR V-PLT WLD 8200 86

II. FRONT MOUNTED CHOPPER ATTACHMENT

DETAIL	QUANTITY Per assembly	PART NUMBER	DESCRIPTION
1	1	439196*	HEAD LIFT ASSY, 20"R 06
2	1	438762**	16" HOIST COL ADPTR WLD, 204 04
3	4	914010***	5/8UNC HEX STOVER NUT
4	1	438292***	TOOL BAR V-PLT WLD 8200 86
5	2	438293***	5/8UNC X 6 1/4 CTR U-BOLT TRI
6	4	900401***	3/4UNC X 1 1/2 HEX BOLT
7	4	914012***	3/4UNC HEX STOVER NUT
8	1	270944	LWR LIFTARM MT TIE PLT, CHOP 09
9	6	470409	3/8UNC X 3/4" SERR FLANGE BOLT
10	6	470087	3/8 HEX SERR FLANGE NUT
11	4	900069	5/16UNC X 2" HEX BOLT
12	4	914002	5/16UNC HEX STOVER NUT
13	2	270945	LWR LIFTARM PIN, MALE CHOP 09
14	1	270941	LH LWR LIFTARM MT WLD, CHOP 09
15	1	270940	RH LWR LIFTARM MT WLD, CHOP 09
16	1	270937	LWR LIFTARM WLD, MALE CHOP 09
17	1	471005	1/4-28 STRAIGHT GREASE FITTING
18	1	270871	MALE ROW CHOPPER ASSY 20"
19	1	270851	MALE ROW CHOPPER ASSY 15"
20	1	493160	HEAD LIFT ASSY, 8-12R STSC 03

*LIFT ASSEMBLIES ARE A PART OF THE DETASSELING ATTACHMENT AND WILL VARY WITH OPTIONS.

**HOIST COL ADPTR ARE 2 SIZES DEPENDING ON THE NUMBER OF LIFTS YOU HAVE. IT IS NECESSARY TO HAVE THE 16" HOIST COL ADPTR FOR ALL LIFTS WHEN USING THE MALE ROW CHOPPER.

***ALREADY INCLUDED IN THE DETASSELING ATTACHMENT

Detail #6 will need to be substituted with a 2" bolt to compensate for the added material. (Hagie part number 900403).

II. FRONT MOUNTED CHOPPER ATTACHMENT

When installing the male row chopper on a detasseling toolbar, if you have anything other than a 6 row, 3 lift set up, contact Hagie Customer Service for assistance. The installation process will be very different and requires many more parts than is required with a 6 row, 3 lift set up.

Remember when disconnecting the electrical and hydraulic systems, to tie the hoses safely to the tool bar or lift arm. Make sure that all openings are protected from foreign material entering and other possible damage such as crushing.

NOTE: ALWAYS PARK THE MACHINE, SET THE BRAKE, AND LOWER THE ATTACHMENT BEFORE DOING ANY MAINTENANCE OR CHANGING ATTACHMENTS.

1. Unhook the hydraulic hoses from the detasseling heads (fig. 7.1) and LS wire assemblies from the toolbar. Be sure to tie them up safely to the lift arm to prevent possible damage. Make sure all hoses have plugs and all hydraulic fittings are equipped with caps for protection.



FIG 7.1

2. Remove detasseling heads and LS sensor assemblies from the lift arm (fig. 7.2). Now would be a good time to adjust the position of the lift arms on the tool bar to be aligned with the male row of corn being removed.



FIG 7.2

3. Attach the right and left hand lift arm mount weldments (fig. 7.3, item B) to the existing lift arm mounts (fig. 7.3, item A). You will need to use a 2 inch bolt to accommodate for the added thickness of the material. Attach the tie plate as shown on page 6.

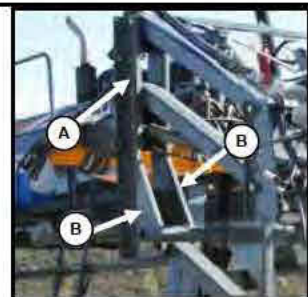


FIG 7.3

4. Attach the lower lift arm weldment (fig. 7.4) to the lift arm mounts as shown on page 6. Grease the lift arm every time you attach it for use and every 50 hours of use thereafter.



FIG 7.4

II. FRONT MOUNTED CHOPPER ATTACHMENT

5. Remove the tool bar clamp weldment (fig. 8.1) from the male row chopper and position the chopper in front of the tool bar. Adjust the height of the toolbar as needed to be able to attach the male row chopper to the toolbar.

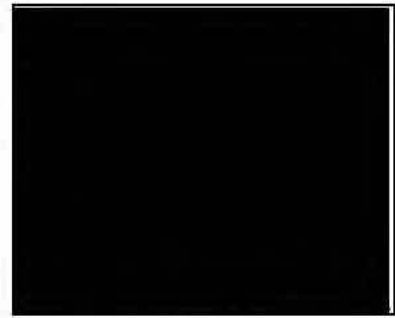


FIG 8.1

6. Once you are in position, attach the lower lift arm weldment (fig. 8.2) to the male row chopper.

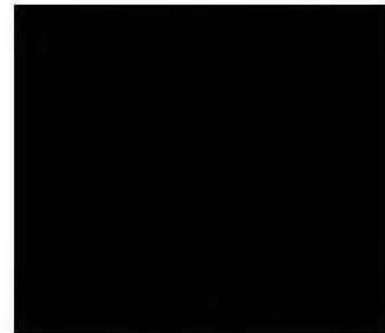


FIG 8.2

7. Once the lower lift arm is attached and the tool bar clamps have been tightened down, adjust the support rod so that there is approximately 2 inches of travel on each end (fig. 8.3, item A). Finally, you can add weight to the back of the attachment . A platform (fig. 8.3, item B) in the back allows for the attachment of the weights since the attachment is not equipped with hydraulic down pressure.

Note: It is not recommended that more than 300 pounds be used on the back of the attachment (fig. 8.3, item B). The lift cylinders are not able to lift more than that. Weights are not a part of the option and are the responsibility of the customer to provide and secure to the mounting platforms.

Remember to properly lubricate the attachment daily using the grease fittings located on the axle of the chopper assembly (fig. 8.3, item C).

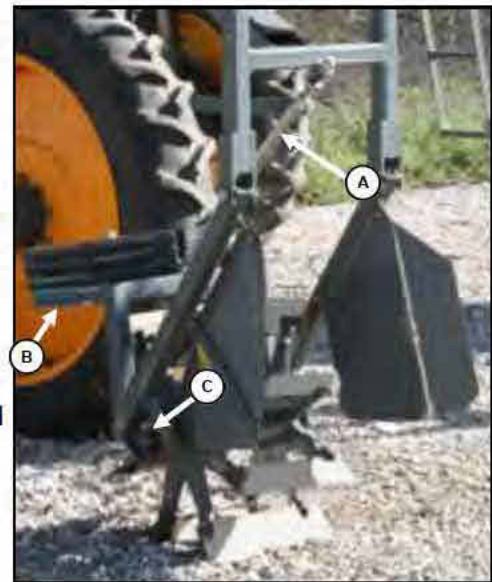
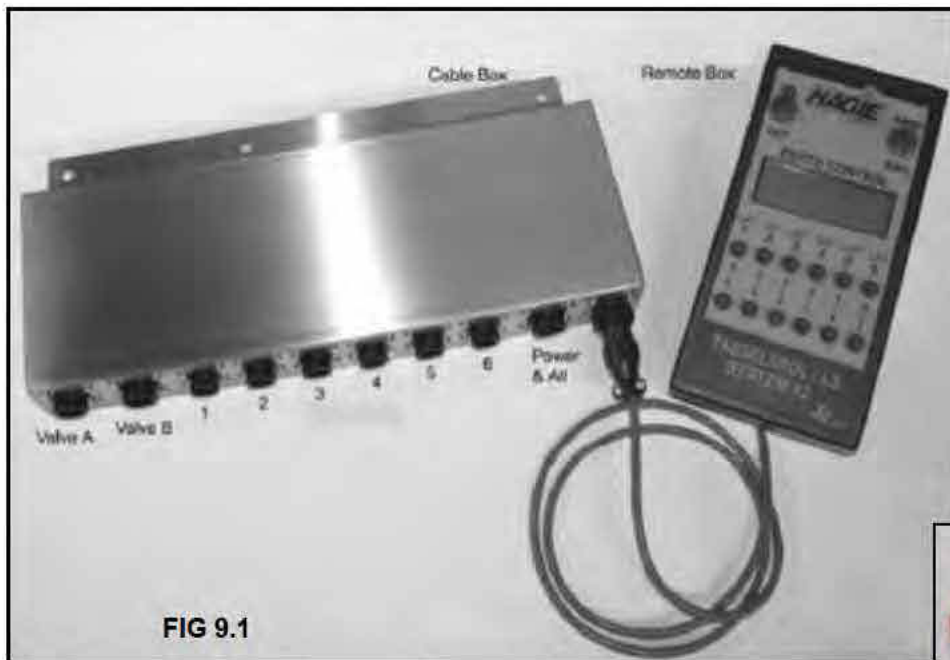


FIG 8.3

II. FRONT MOUNTED CHOPPER ATTACHMENT



The final step in preparing your machine to run the male row chopper is to turn off unused lifts through the Tasselrol® box and put a jumper plug into the non-functioning ports of the Tasselrol® cable box (fig. 9.1). This plug (fig. 9.2) will redirect the signal from the remote making the cable box sense that the lift function has already been carried out. When activated, this will divert the flow of hydraulic oil to the lifts that will actually perform the lift function allowing the operator to use the All Up/Resume function to raise and lower the choppers.

Failure to place the jumper plug in the non-functioning ports will make the All Up/Resume unable to function without the light sensors.

With the installation of the jumper plug, you will be able to use the all up and resume buttons on the hydrostatic lever. The function will be carried out by the Tasselrol® in a similar manner as how it would function with the detasseling heads attached. You are also able to make manual adjustments using the depth control remote.

Do not operate the male row chopper on hard surfaces. Doing so will cause damage to the surface and to the chopper blades. Raise the chopper prior to turning on end rows, exiting a field, or during any road transport.

For additional information, call Hagie Customer Support.

II. FRONT MOUNTED CHOPPER ATTACHMENT

OPERATING THE FRONT MOUNTED MALE ROW CHOPPER

Once the jumper plug has been installed in the proper ports, the male row chopper will be able to be lifted using the same controls that are used to lift the detasseling head assemblies.

The Hagie Tasseltrol® LS control box (fig. 10.1) must be in the ON position to be able to lift the choppers. The choppers can be lifted individually by leaving the control box in the MANUAL position or simultaneously by selecting the AUTO position.

To move one or the other chopper, select the MANUAL position on the control box. Then press the UP or DOWN switch that corresponds with the correct lift. (On a 4 lift machine, the first and forth lifts are the ones that should be operational.)

To move both choppers at the same time, select the AUTO position on the control box. Then using the ALL UP/ALL HOLD buttons on the hydrostatic lever, you can lift or lower the choppers.

To override the system, press the desired UP switch to raise the chopper. When the switch is released, the chopper will go back into the AUTO mode.



FIG 10.1

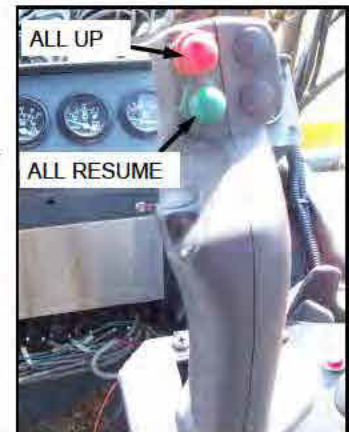


FIG 10.2

II. FRONT MOUNTED CHOPPER ATTACHMENT

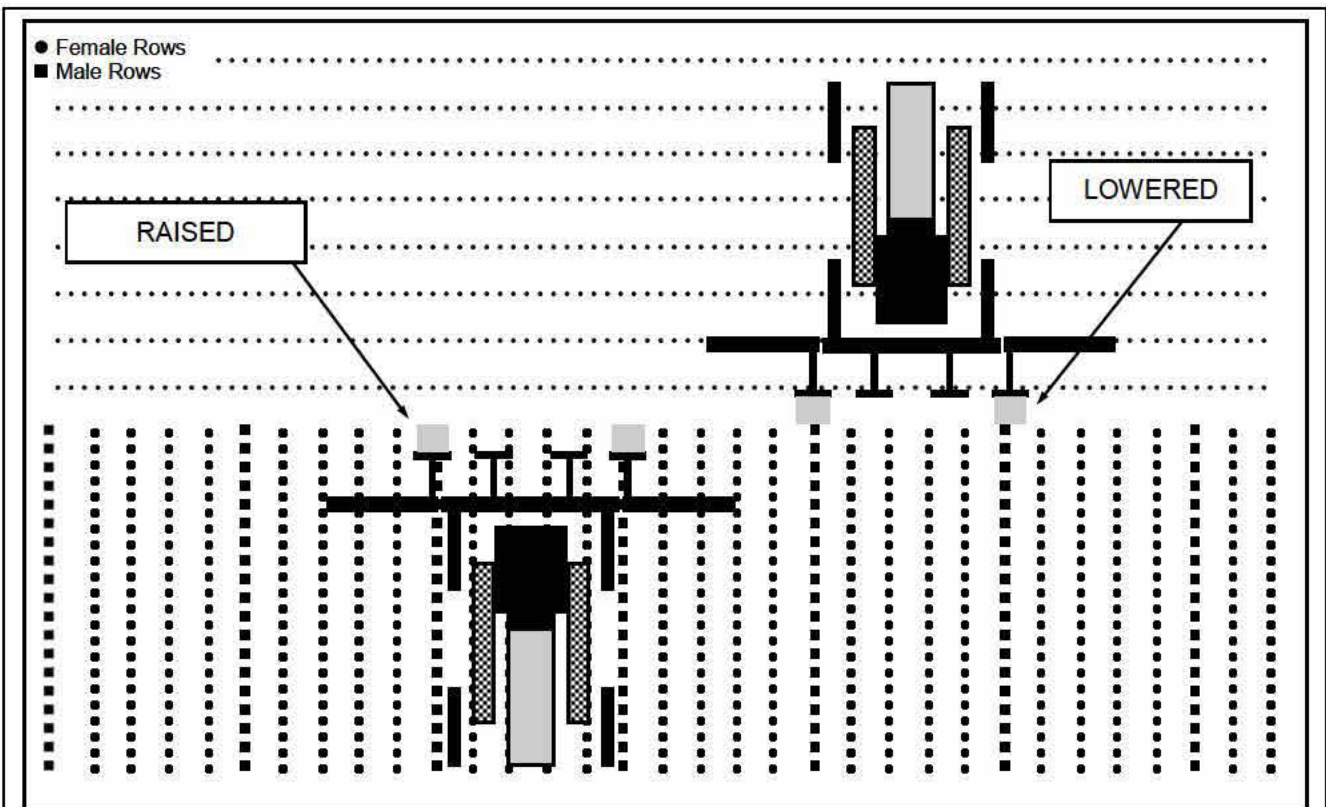
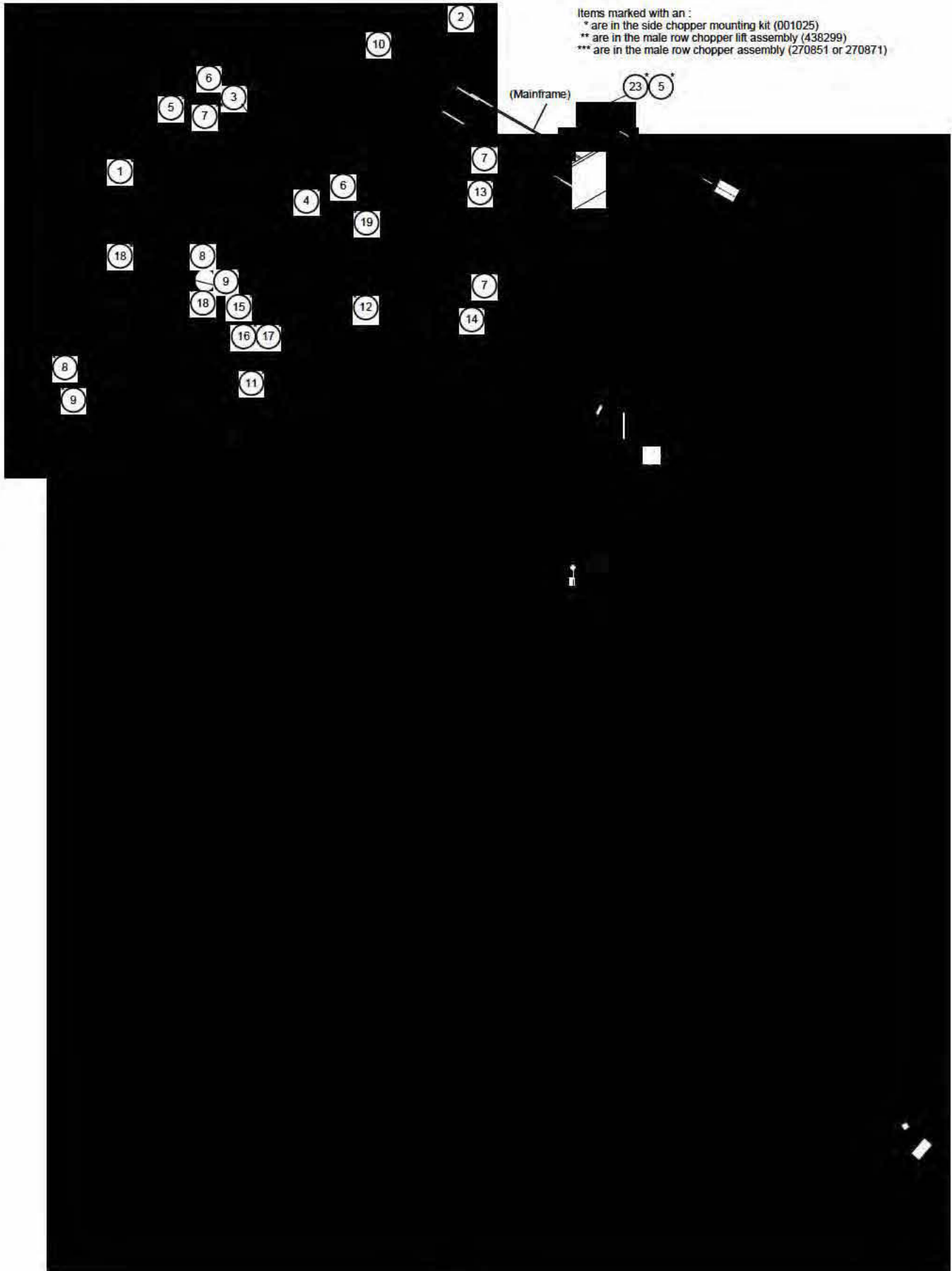


FIG 11-1

When entering a field, do not lower the choppers until you are lined up with the male row that you intend to destroy. Raise the choppers when arriving at the end rows and lower them again when you are positioned in the next block of rows and are ready to re-enter the field.

Raise the choppers before leaving a field. Allowing the choppers to run on surfaces other than those of their intended use will shorten the life of the chopping blades and may damage the attachment. You may also cause damage to public roadways if traveling with the choppers lowered.

III. REAR MOUNTED CHOPPER ATTACHMENT



III. REAR MOUNTED CHOPPER ATTACHMENT

DETAIL	QUANTITY Per machine	PART NUMBER	DESCRIPTION
1	2	438245	TOOL BAR MT WLD, 2-POS DETAS
2	2	438184	HOIST COL WLD DETAS LIFT 83
3	2	438294	UPPER LIFT ARM WLD 8200 86
4	2	438297	LWR LIFT ARM WLD 8200 86
5	8	438300	LIFT ARM PIVOT PIN WLD 8200 86
6	4	438302	HOSE SUPPORT RING
7	24	470162	COTTER PIN 3/16 X 1 1/2 SQCUT
8	6	900538	1/2UNC X 3 1/2 HEX BOLT FULL
9	6	910008	1/2UNC HEX NUT
10	6	920008	1" SAE FLAT WASHER
11	2	438194	TOOL BAR WLD DETAS 4-6R 83
12	2	621568	LIFT CYL ASSY, IW, DETASSELER
13	6	472012	CLEVIS PIN, 1.00 X 3.25 PLT
14	2	472206	PICKER PIN 1 DIA X 2 1/4
15	16	121025	JOURNAL BRG, 1.00 ID X 1.5 LG
16	4	900343	5/8UNC X 4 1/25 HEX BOLT
17	32	914010	5/8UNC HEX STOVER NUT
18	4	920005	5/8 SAE FLAT WASHER
19	4	618119	9/16MJIC-90-9/16MOR LBO
20	2	621569	REPAIR KIT, HYD CYL 621568
21	2	438283	OUTRIGGER PIVOT PIN
22	2	470117	COTTER PIN 3/16 X 1 3/4 SQCUT
23	8	900334	5/8UNC X 1 3/4 HEX BOLT
24	4	900352	5/8UNC X 2 1/4 HEX BOLT
25	1	438277	RH 32IN OUTRGR WLD 8200-8500 86
26	1	438282	LH 32IN OUTRGR WLD 8200-8500 86
27	2	438782	REAR OUTRGR MT WLD 204 08
28	2	438367	HOIST COL MT BRKT WLD 200 90
29	2	438292	TOOL BAR V-PLT WLD 8200 86
30	4	438293	5/8UNC X 6 1/4 CTR U-BOLT TRI
31	12	900275	1/2UNC X 4 1/2 HEX BOLT
32	14	914008	1/2UNC HEX STOVER NUT
33	4	270842	LWR LIFT ARM MTG PLT
34	2	270852	STABILIZER ARM MALE ROW CHOP 91
35	4	270843	LIFT ARM PIN MALE ROW CHOPPER
36	2	270851	MALE ROW CHOPPER ASSY 20"
37	2	270871	MALE ROW CHOPPER ASSY 15"
38	4	270833	TOOL BAR CLAMP WLD MALE CHOP
39	1	342315	VLV ASSY. 2-1SPL, SIDE CHOPPER
40	2	900263	1/2UNC X 1" SER FLANGE BOLT

III. REAR MOUNTED CHOPPER ATTACHMENT

The rear mounted male row chopper is different from the front mounted chopper in that it can be attached and used with the detasseling heads left on the front.

The rear mounted male row chopper also has hydraulic lift capabilities that are controlled by a manual lever connected directly to the lift valve assemblies.

1. Before you can attach the male row chopper to the toolbar you have to turn the bottom half around. To turn the chopper around, remove the support rod by removing the nut off of the top end of the rod and sliding it out of the support bushing. Next remove the cotter pin and clevis pin from the pivot joint. (fig. 15.1).

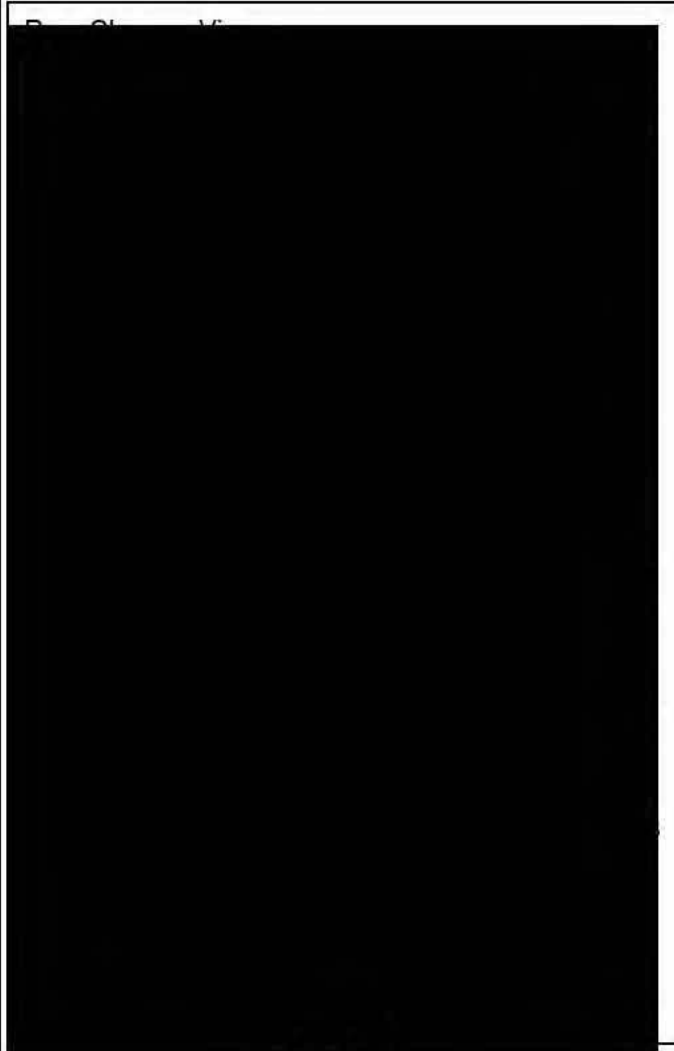


FIG 15.2

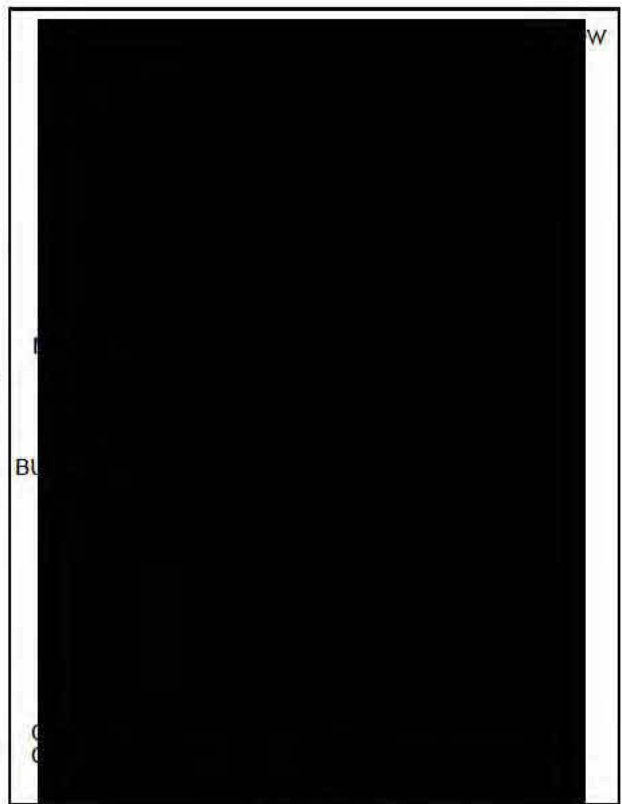


FIG 15.1

Turn the top portion of the attachment around and replace the clevis and cotter pins. Slide the support rod into the top support bushing (15.2). Replace the nut and adjust the rod so that there is approximately two inches of travel.

Now the attachment is ready to be put on the machine.

NOTE:

ALWAYS REMEMBER TO TURN OFF THE MACHINE, SET THE BRAKE, AND LOWER ATTACHMENTS BEFORE DOING ANY MAINTENANCE OR CHANGING AT-

III. REAR MOUNTED CHOPPER ATTACHMENT

2. Attach the rear outrigger mount weldment to the mainframe using the bolts provided (fig. 16-1, item A).

3. Attach the outrigger (fig. 16-1, item B) with the outrigger pivot pin (fig. 16-2). Place the cotter pin in the bottom of the pivot pin to secure it. Secure the outrigger to the mounting plate with the bolts provided (fig. 13.1, item C).



FIG 16.2



FIG 16.1

4. Attach the hoist column mount to the outrigger (fig. 16.3, item A) using the U-bolts provided. Position it according to your row spacing.

5. Attach the lift assembly to the hoist column mount using the bolts provided. The lift assembly mounts in the top two holes of the hoist column weldment. Make sure to use the rear-most holes of the hoist column mount (fig. 16.3, item B). The other two holes will also have bolts in them for added support (fig. 16.3, item C).

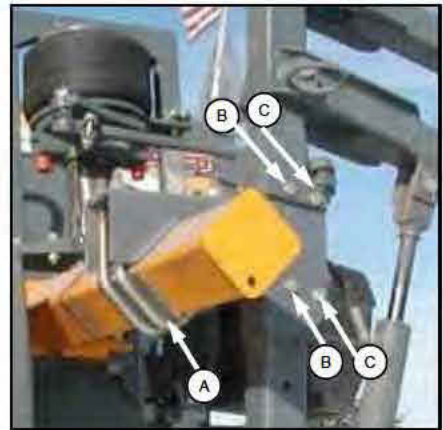


FIG 16.3



FIG 16.5

6. Attach the stabilizer arm mounting plates in the lower two holes of the hoist column weldment and then attach the stabilizer arm weldment to the mounting plates (fig. 16.4).

7. Attach the lift cylinder to the lower lift arm. Make sure that the rod end of the cylinder is up. Also make sure to go through the opening of the stabilizer arm (16.5).



FIG 16.4

III. REAR MOUNTED CHOPPER ATTACHMENT

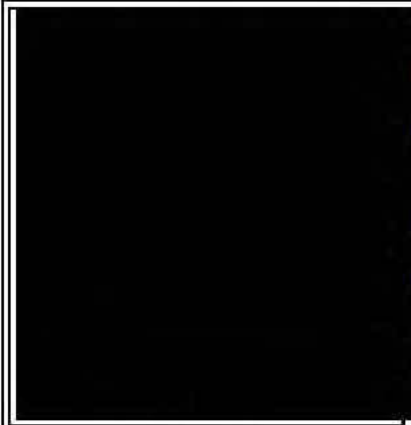


FIG 17.1

8. Attach the toolbar to the lift assembly (fig. 17.1). The toolbar is adjustable by loosening the two pivot bolt (fig. 17.1) and either tightening or loosening the adjustment bolt (fig. 17.2). If the tightening or loosening the adjustment bolt does not adjust the toolbar, the pivot bolts may be too tight, loosen them and try again.



FIG 17.2

9. Before you can run the hydraulic lines, you have to mount the valve assembly onto the operator's station. You will have to drill one (1) .531 inch hole for the right hand bolt. You can either use the valve assembly as a guide or measure 8.25 inches from center of the hole provided to center of the hole to be drilled.



FIG 17.3

NOTE: If you have the cab option installed on your machine, you will have



NOTE: When changing the hydraulics, make sure that you have all your supplies ready! Do not do any maintenance or service to a warm hydraulic system– make sure the system is completely cool before attempting to change the hoses! If there are other attachments on the machine, make sure that they are in a safe position before releasing pressure from the hydraulic system. The release of pressure may cause sudden movement of other attachments. Wear protective clothing and eye wear when removing the hoses, there may be some leakage of hydraulic fluid.

10. Begin by attaching the hoses (page 23, detail 63) to the rod end of the lift cylinders. Attach the hoses (page 23, detail 61) to the base end of the lift cylinders. Loop the hoses through the hose ring on the inside of the lift assembly. Route the hoses and tie them to the mainframe with the zip ties provided. Do not tie them down tight as they will need to be able to move when the outrigger is folded. Follow the leg hoses through the opening between the side panel and the mainframe (fig. 17.4). Note: If you mark the loose end of the hose with a paint marker (“L-R”, “L-B”, “R-R”, or “R-B”) in respect to where they are connected it will make it easier to identify them when you are ready to connect them to the valves.



FIG 17.4

III. REAR MOUNTED CHOPPER ATTACHMENT

11. Remove the lower screen and route the hoses loosely with other hoses along the side rails under the mainframe all the way to the front of the machine. Once you reach the front of the machine, slide the hoses between the operator's station and the front cross member of the mainframe (fig. 18.1).
12. The Left Cylinder Rod end gets connected to the port A (fig. 18.2, item A) of the left valve. (Refer to the hydraulic diagram)
13. The Left Cylinder Base end gets connected to the port B (fig. 18.2, item B) of the left valve. (Refer to the hydraulic diagram)
14. The Right Cylinder Rod end gets connected to the port A (fig. 18.2, item C) of the right valve. (Refer to the hydraulic diagram)
15. The Right Cylinder Base end gets connected to the port B (fig. 18.2, item D) of the right valve. (Refer to the hydraulic diagram)

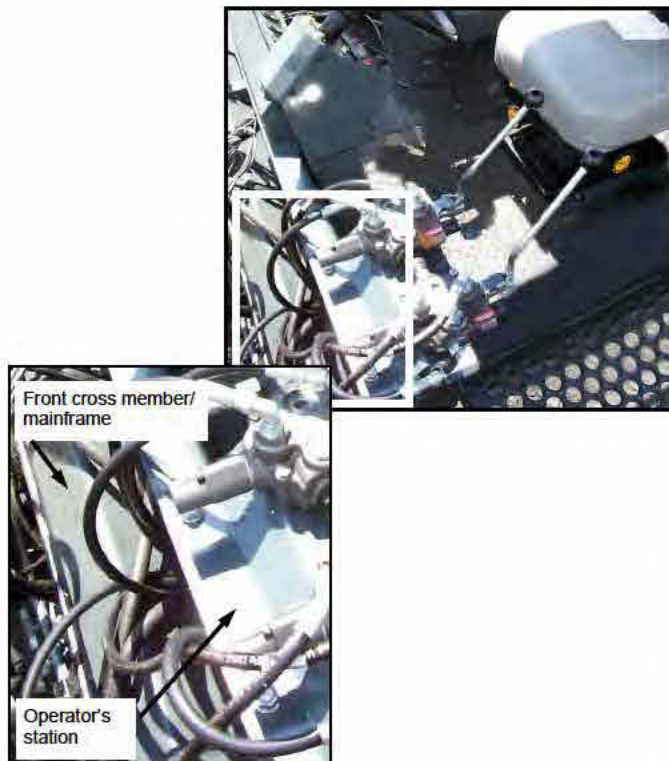


FIG 18.1

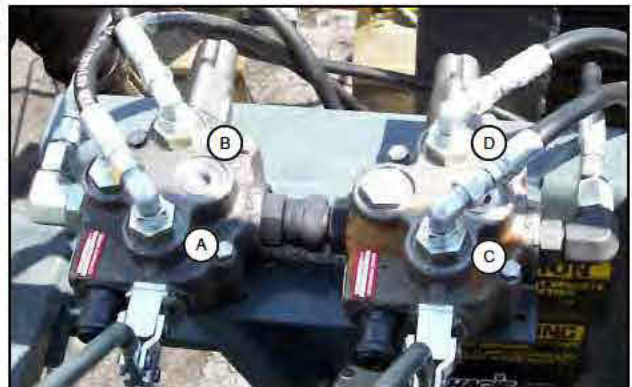


FIG 18.2

16. Connect the hose (page 23, detail 28) to the right hand relief port (18.3, item B). This hose will go to the dump valve. At the end of this hose, connect the adapter (page 23, detail 62). Connect the hose (page 23, detail 28) to the left hand pressure port (fig. 18.3, item A). This hose will connect to the flow divider. Run the hoses along the same path that you brought the cylinder hoses up to the front, loosely tying them up with zip ties. (Refer to hydraulic diagram)



FIG 18.3

III. REAR MOUNTED CHOPPER ATTACHMENT

17. See flow divider and hose under the machine (fig. 19.1) that goes to the dump valve from the flow divider. This will be the hose that you disconnect from the flow divider. Make sure that it is not tied down and that you will be able to move it as necessary. The hose, when disconnected, will be connected to the hose with the adapter (detail 62, page 23) from the lift valves. The other hose from the lift valves will connect where you removed the hose on the flow divider.

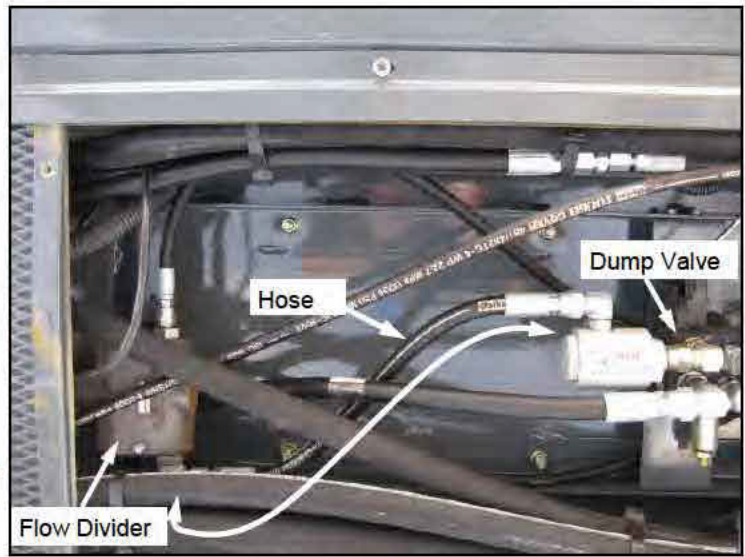


FIG 19.1



Be sure to protect yourself from leaking hydraulic fluid by wearing protective clothing and eye wear.

18. Once the hoses have all been connected and the fittings checked for tightness you will need to run the hydraulics through a few cycles to relieve air in the lines. Make sure that there are no obstacles or persons around when operating the hydraulics, air in the hydraulic lines may cause an attachment to not perform as it normally would.
19. Start the machine and allow it to warm up to operating temperature. While remaining stationary, bring the engine speed up to operating RPM.

20. Raise (fig. 19.2) and lower the lift assemblies separately two times. Then using the all up switches to raise and lower them all together two more times.



FIG 19.2



FIG 19.3

21. Once you have successfully cycled all the lift assemblies you may turn the detasseling motors off. If you have the hydraulic outrigger fold option (fig. 19.3) on your machine, close and open the outrigger.

III. REAR MOUNTED CHOPPER ATTACHMENT

- 22. Test the male row chopper lift assembly before you put the chopper assembly on. Using the new valves that you installed on the operator's station, raise and lower the lift assembly. You may want to do this several times to ensure that all the air is forced out of the lift cylinder.
- 23. Now you can attach the chopper assembly. Remove the toolbar clamps (fig. 20.1) from each of the arms. Adjust the height of the lift assembly as needed to be able to attach the male row chopper to the toolbar using the toolbar clamps (fig. 20.1)

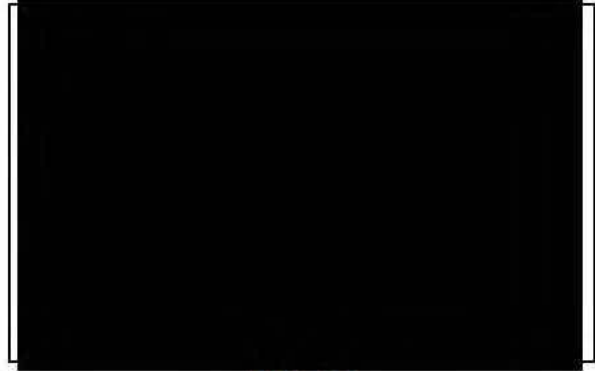


FIG 20.1

- 24. Attach the stabilizer arm to the to the chopper assembly (fig. 20.3, item A).
- 25. Check the support bar to make sure that there is 2 inches of play on both ends (fig. 20.3, item B).

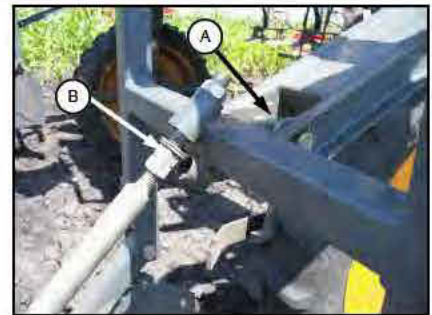


FIG 20.3

- 26. Once the toolbar clamps are tightened down, check all other bolts and nuts to make sure they are tight. Cycle the hydraulics at least once with the attachment on and check for leaks.
- 27. Add weight if necessary, but do not exceed 300 pounds per attachment. Weights are not a part of the attachment. It is the responsibility of the customer to provide weights and to secure them to the mounting platform.



FIG 20.4

Your machine and attachment are now ready to go.

III. REAR MOUNTED CHOPPER ATTACHMENT

The rear mounted chopper attachment can be used with the regular detasseling heads which is a feature not available with the front mounted option.

Once the installation is complete, the operator should test the attachment before going into the field

with it. It would be a good idea that the operator understand how the rear mounted chopper works and also what to expect while using the attachment.

Read this information carefully before attempting to use the attachment.

OPERATING THE REAR MOUNTED MALE ROW CHOPPER

The rear mounted male row chopper is mechanically driven, but has hydraulic lift operated with the manual valves that were installed on the operator's station. The valves make it possible for the rear chopper lifts to be operated along with, although independently from, the detasseling heads.

The valve is a 4 position valve with float. It is spring loaded and will return to neutral when not in the float position (fig. 21.1). Push the lever forward/upward to raise the chopper (fig. 21.2). Hold the lever until the choppers are the desired height and release. The lever will return to the neutral position when

released. To lower the choppers, push the lever down until you feel resistance. Push the lever past that point to put the choppers in float mode. The lever will remain in the float mode until it is manually returned to the neutral position. See the next page for suggestions on when to raise and lower the choppers.

To travel with the chopper, raise it approximately 18 inches from the ground (fig. 21.3). Unbolt the outrigger (fig. 21.4) from the adapter plate. Manually fold the outrigger and attachment toward the rear of the machine (fig. 21.3). (It may be necessary to move the chopper attachment to the end of the outrigger before folding.)

The attachments will NOT fold all the way back or together, it is up to the customer to safely secure the attachment for traveling!



FIG 21.1



FIG 21.2



FIG 21.3



FIG 21.4

CAUTION
The attachment may settle!

III. REAR MOUNTED CHOPPER ATTACHMENT

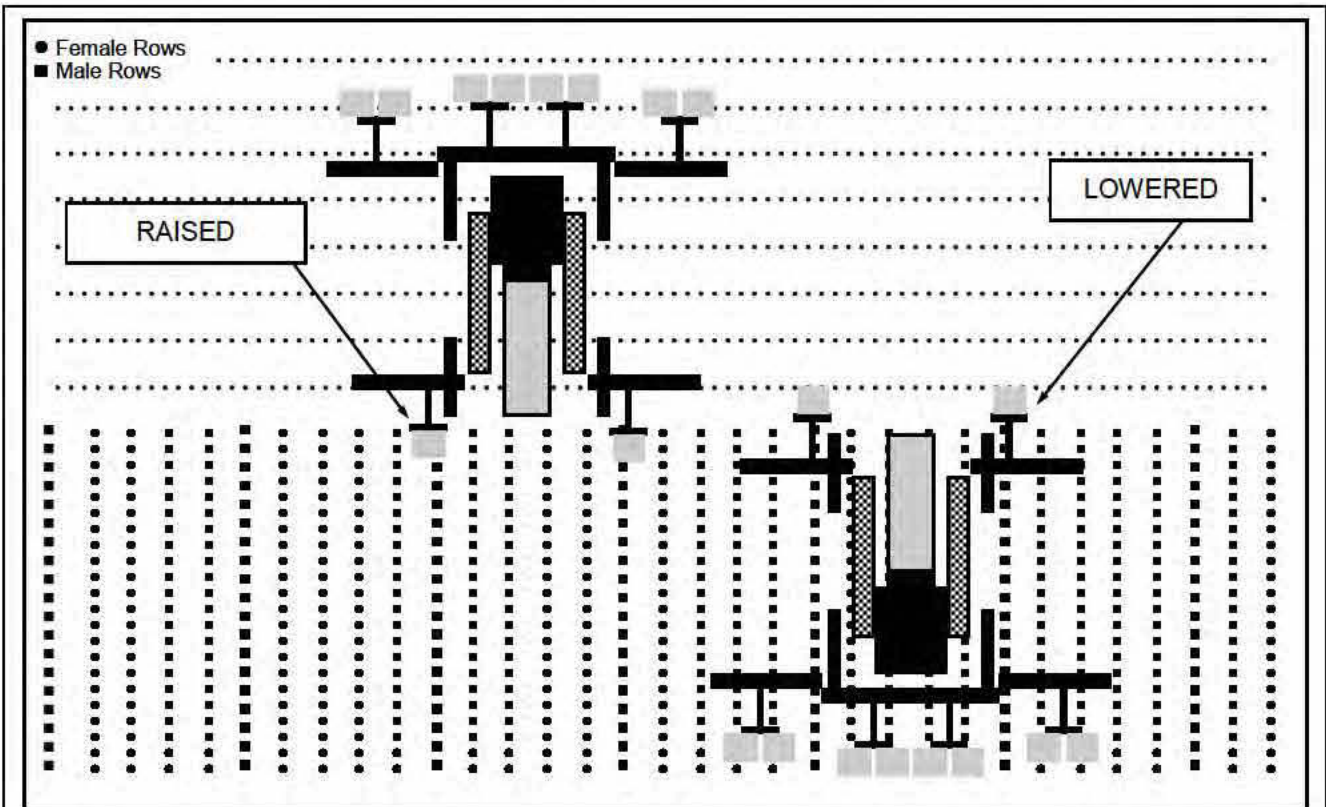


FIG 22.1

When entering a field, do not lower the choppers until you are lined up with the male row that you intend to destroy. Raise the choppers when arriving at the end rows and lower them again when you are positioned in the next block of rows and are ready to re-enter the field.

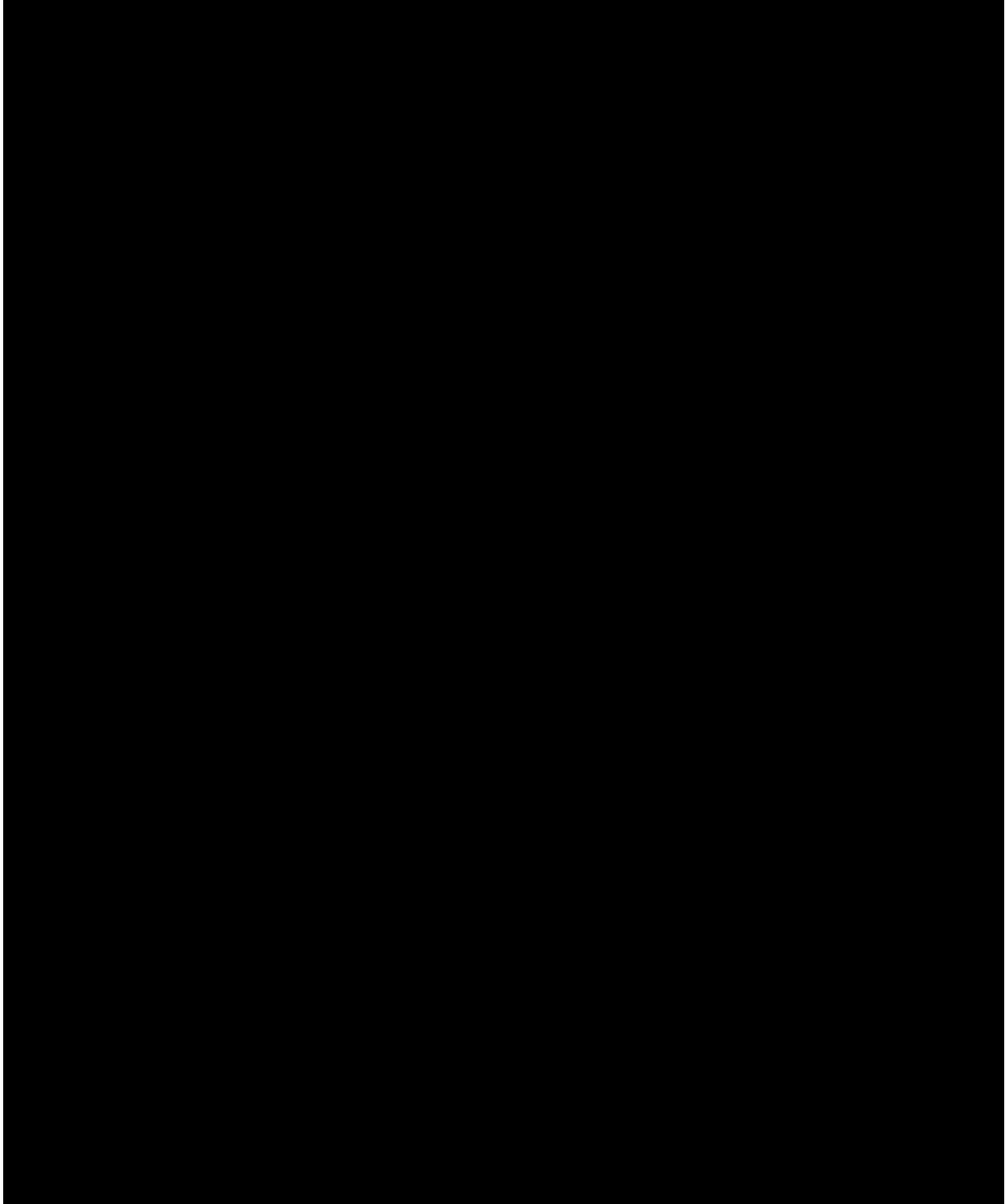
Raise the choppers before leaving a field. Allowing the choppers to run on surfaces other than those of their intended use will shorten the life of the chopping blades and may damage the attachment. You may also cause damage to public roadways if traveling with the choppers lowered.



FIG 10.2

Remember to grease the chopper attachment daily using the grease fitting located on the axle!

III. REAR MOUNTED CHOPPER ATTACHMENT



Remove the hose (detail 30) from the flow divider valve and connect it to the adapter (detail 62). Connect the hose (detail 28) from the lift valve assembly to the port on the flow divider from which you just removed the previous hose. Make sure that all hoses and fittings are tightened before you use the hydraulic system!

III. REAR MOUNTED CHOPPER ATTACHMENT

DET	QTY	PART NO	DESCRIPTION
1	1	607504	FLO DIV B50 2-8GPM 7/8 FOR
2	1	606262	MTR CONTROL ELECT VLV,SAUER 07
3	1	606029	RETURN MANIFOLD BLOCK, STS 03
4	1	605633	PARKER FILTER ASSY,25M,1.25NPT
5	1	614660	1IN STL TEE WLD 280
6	1	749318	STRG MTR,7.3CID,NOM-LOAD 1031
7	2	621516	STRG CYL ASSY, 2100
8	4	610186	1 1/16MOR PLUG, HEX HEAD
9	1	615799	MTR CTRL RET TUBE ASSY, 204 07
10	2	618186	1 1/16MJIC-1 1/16MOR ADPTR
11	2	618451	3/4FJIC SW RUN TEE-3/4MJIC
12	12	618469	3/4MJIC-1 1/16MOR ADPTR
13	1	618476	1 5/8MJIC-90-1 5/16MOR LBO
14	10	618590	3/4MJIC-45-3/4FJIC SWIV LBO
15	5	618609	3/4MJIC-90-3/4FJIC SWIV LBO
16	1	618772	1 1/4 HOSE BARB-90-1 5/16MOR
17	2	618714	3/4MJIC-90-1"MNPT LBO
18	1	714331	1 NPT X 3/4 HOSE BARB
19	2	506410	BLK PIPE ST EL 90DEG 1.25NPT
20	2	715660	HOSE BARB 1 11/4NPT X 1 1/4
21	1	611126	7/8MJIC-7/8MOR ADPTR
22	1	618600	9/16MJIC-90-7/8MOR LBO
23	1	605615	HYD FILTER, INLINE 25M 9/16FOR
24	1	601632	HOSE, 3/4 X 72 1FBR-1SPI
25	18	618119	9/16MJIC-90-9/16MOR LBO
26	1	618310	9/16MJIC-7/8MOR ADPTR
27	4	618496	9/16-45-3/4MOR LBO
28	4	615727	04-482TC-06FJX-06FJX-75 H/A
29	1	614664	10-482TC-10FJX-10FJX-98 H/A
30	1	615473	06-482TC-06FJX-08FJX-18 H/A
31	1	611246	04-482TC-16FJX-16FJX-174 H/A
32	1	616006	08-482TC-08FJX-10FJX-33 H/A

DET	QTY	PART NO	DESCRIPTION
33	1	616293	20-381-20FJX-20FJX-153 H/A
34	1	611204	04-482TC-06FJX-06FJX-78 H/A
35	2	614639	04-482TC-06FJX-06FJX-126 H/A
36	2	614633	08-482TC-08FJX-08FJX-23 H/A
37	1	601437	HOSE, 1 1/4 X 40 IFBR-1SPI
38	1	601378	HOSE, 1 1/4 156 IFBR-1SPI
39	1	616008	06CIT-08FJX-06FJX90-52 H/A
40	1	616007	08CIT-FJX-08FJX-10FJX-50 H/A
41	1	606330	DUMP MANIF VALVE SAUER
42	1	611125	3/4MJIC-3/4MOR ADPTR
43	1	611128	7/8MJIC-90-7/8MOR LBO
44	1	618249	3/4MJIC-90-9/16MOR LBO
45	1	618464	3/4MJIC-90-3/4MOR LG LBO
46	1	618692	3/4FJIC SWIV-9/16MOR LBO
47	1	618774	7/8MJIC-90-7/8MOR LG LBO
48	1	606285	LIFT VALVE, STS COMBO, SAUER
49	1	618109	9/16MJIC-3/4MOR ADPTR
50	1	618183	3/4MJIC-90-7/8MOR LBO
51	2	618754	9/16MOR PLUG, HEX SOCKET
52	1	618755	3/4MOR PLUG, HEX SOCKET
53	1	618756	7/8MOR PLUG, HEX SOCKET
54	2	610306	BRAND 1 SPL VLV, TS-1 W/FLOAT
55	1	611127	1 1/16MJIC-1 1/16MOR ADPTR
56	4	618172	7/8MOR-9/16FOR ADPTR
57	2	618474	3/4MJIC-90-1 1/16MOR LBO
58	2	618482	3/4FJIC-9/16MJIC ADPTR
59	1	618578	1 1/16FJIC SWIV-1 1/16MOR
60	2	621568	OUTRGR FOLD CYL, 2.00 X 18
61	2	614554	04-482TC-16FJX-06FJX-240 H/A
62	1	619010	9/16MJIC UNION
63	2	616249	04-482TC-06FJX-06FJX-273 H/A

IV. LIMITED WARRANTY

Hagie Manufacturing Company Product Warranty 12.01.08

Hagie Manufacturing Company warrants each new Hagie (including Vammas by Hagie) product to be free under normal use and service from defects in workmanship and materials for a period of lesser of: two (2) years or 1000 hours from the date of delivery on all Agricultural Products and two (2) years or 2000 hours on all Vammas By Hagie Snow Removal Equipment (SRE). Hagie Manufacturing Company makes this warranty from the original delivery date and is transferable to a purchaser from the original purchaser of this equipment, given there is remaining time left under the year and hour warranty standard stated above. This warranty shall be fulfilled by repairing or replacing free of charge any part that shows evidence of defect or improper workmanship, provided the part is returned to Hagie Manufacturing Company within thirty (30) days of the date that such defect or improper workmanship is discovered, or should have been discovered. Labor to repair said items will be covered by standard labor time rates. Freight charges of defective parts are not covered by this warranty and are the responsibility of the purchaser. No other express warranty is given and no affirmation of Hagie Manufacturing Company, by words or action, shall constitute a warranty.

Hagie Manufacturing Company limits its warranty to only those products manufactured by Hagie Manufacturing Company (including Vammas by Hagie) and does not warrant any part or component not manufactured by Hagie Manufacturing Company (including Vammas by Hagie), such as parts or components being subject to their manufacturer's warranties, if any. Excluded from this warranty are parts subjected to accident, alteration, or negligent use or repair. This warranty does not cover normal maintenance such as engine tune ups, adjustments, inspections, nor any consumables such as tires, rubber products, solution system valves, wear parts, wiper blades, etc.

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