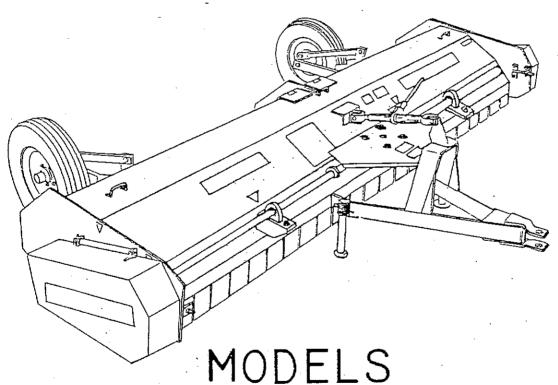


OPERATOR AND PARTS MANUAL FOR SHREDDER



80, 80VS, 144, 180, \$ 240

ARTS-WAY

Mfg. Company / Armstrong, Iowa 50514 / Phone (712) 864-3131

REV L

18391-0

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TO THE OWNER

This Arts-Way unit is the finest equipment made and the purpose of this manual is to assist you in realizing the benefits you anticipated when you purchased this unit. Many people have contributed to the production of this product. They all have an interest in its successful performance and we are providing this manual to give you the benefit of the experience we have gained through the years of building and testing this equipment. The way you operate and the care you give this unit will have much to do with the successful performance of this unit. This operators manual has been carefully prepared and illustrated to make it as easy as possible for you in the operation of your unit. It will pay you to read the entire manual carefully and familiarize yourself with all operations "before operating" the unit. Keep this manual handy for reference. We will be glad to answer any questions you may have. For further information call or write Arts-Way Mfg. Co., (712) 864-3131, Armstrong, lowa 50514.

WORK SAFELY - FOLLOW THESE RULES



This safety alert symbol identifies important safety messages in this manual. It means — ATTENTION! BECOME ALERT! YOUR — SAFETY IS INVOLVED! When you see this symbol, be alert to the possibility of personal injury and read the message that follows.

A CAREFUL OPERATOR IS THE BEST INSUR-ANCE AGAINST AN ACCIDENT.

BEFORE OPERATING

Review this entire manual.

Do not wear loose-fitting clothing which may catch in moving parts.

Use extreme care when making adjustments. Shut off machine before making adjustments. Shut off tractor and put key in pocket.

After servicing, be sure all tools, parts, or servicing equipment are removed from the machine.

Keep all safety shields in place.

Make sure the there is no one near the machine before operating.

Be sure that the correct power take-off parts are used and that they are properly secured.

Be sure the tractor power take-off is disengaged before starting the tractor engine.

Use extreme care when transporting over uneven or rough terrain.

Keep all shields in place and in good condition. Keep children away from machine in operation. Have your fire extinguisher checked at regular internals and place it in a position on the unit where it is readily accessible without reaching over or around moving parts.

Review all safety decals.

Securely block unit before working on It.

When working with flammable materials, be sure you do not smoke.

DURING OPERATION

No one other than the operator should ride on the tractor.

Do not attempt to remove any obstructions while operating the machine. First shut off the tractor and put key in pocket.

Always disengage the P.T.O. before transporting. Do not open any covers and expose the rotor or belts while they are rotating.

Shut off the tractor engine and be sure to wait until all moving parts have come to a complete stop before adjusting, cleaning, or lubricating. Keep hands, feet, clothing and objects away from moving parts.

ON-HIGHWAY OPERATION — TRANSPORTING Check clearance carefully before towing over bridges and into buildings.

Always place the machine in the transport position.

For daytime and nighttime, accessory light and devices should be used for adequate warning to operators of other vehicles.

Comply with your state and local laws governing highway safety, and with regulations when moving machinery on a highway.

Drive at a reasonable speed to maintain complete control of the machine at all times.

When transporting on the highway, always use a safety chain between the towing vehicle and the machine.

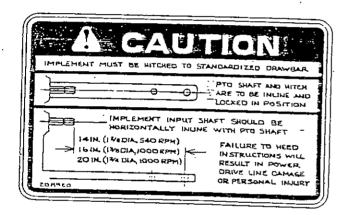
SAFETY DECALS

Located at strategic points on this machine are safety decals. These decals warn you of potential danger if the warnings on the decais are not followed.

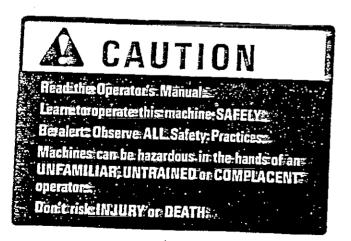
For location see page ô

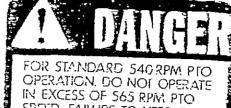
No. 1 - "DANGER" - DO NOT OPERATE IN EXCESS OF 565 RPM PTG SPEEDS - Part No. 16672-0. DO NOT operate with 1000 R.P.M./ P.T,O.

No. 2 — "DANGER" — DO NOT OPERATE IN EXCESS OF 1050 RPM PTO SPEEDS - Part No. 16671-0. DO NOT operate with 540 R.P.M./ P.T.O.



No. 4 - "CAUTION" - Safety Shield caution decal, Part No. 11538-0 lists four basic rules to be observed at all times around this machine.





SPEED, FAILURE TO HEED THIS WARNING MAY RESULT IN PERSONAL INJURY AND-OR. MACHINE DAMAGE

STANDARD 1000 RPM FOR OPERATION. DO NOT OPERATE IN EX-CESS OF 1050 RPM PTO SPEED. FAILURE TO HEED THIS WARNING MAY RESULT IN PERSONAL INJURY AND/OR MACHINE DAMAGE.

447-16671-п

No. 3 - "CAUTION" -Machine must b. hitched to standardized drawbar. Unless these instructions are followed, power drive line damage may result. Part No. 208920



- 1: Keepall shields in places. 2: Disengage: power take-off-and-shut-off-engine-before:servicing: cleaning:or: clearing-a-cloggede
- machines

 3 Keepshands: feet and clothing away from all in moving parts:

 4 Keepsoff implement unless seat or platform is provided for riding purposes. Keepsoff others off.

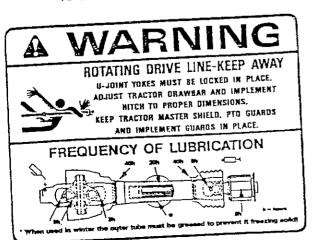
No. 5 — "CAUTION" — Safety caution decal Part No. 11543-0.

777-0 warning of the danger to stay off of machine when it is running. (Located on the top of the main shield.)

WARNING COMPONENTS CONTINUE OF STRAIG AFTER P.T.O. HAS USER DISERBAUGH. TO PREVENT PERSONAL PROPERTY WHEN SERVICING MACINAL • gigengaee P.T.O. · SHUT OFF ENGINE. 190% AND LISTED FOR EMBERICE ge aotatidil. DO NOT OPEN ACCESS COVER UN-TIL ALL COMPONENTS MAVE S STOPPED. HEYER ATTEMPT TO OPERATE DANSHEE WITH ACCESS COVERS geneven. ACCESS COVERS MUST SE CLOSED BEFIRE STARTING ENGINE OR igaging 2.T.9.

No. 7 -- "WARNING" -- Part No. 14601-0, Warning of components continuing to rotate after machine has been shut off.

NOTE: KEEP ALL DECALS CLEAN AND FREE OF DIRT FOR MAXIMUM VISIBILITY. REPLACE ANY AND ALL DECALS THAT ARE NO LONGER LEGIBLE.



A DANGER

Stay off machine when it is running. Shut off tractor engine and remove ignition key for safety while working in or around machine.

IN DATE HE

ROTATING DRIVE LINE FAILURE TO HEED THESE WARNINGS MAY RESULT'IN PERSONAL INJURY OR DEATH. KEEP CLOTHING, YOURSELF AND OTHERS WELL CLEAR DO NOT OPERATE UNLESS PTO GUARDS. TRACTOR MASTER SHIELD AND IMPLEMENT GUARDS ARE IN PLACE. PTO GUARDS MUST TURN FREELY AND BE PROPERLY ATTACHED AND MAINTAINED. U-JOINT YOKES MUST BE SECURELY LOCKED ONTO TRACTOR AND IMPLEMENT SHAFTS. BE SURE TRACTOR DRAWBAR AND IMPLEMENT HITCH ARE ADJUSTED CORRECTLY. GREASE TELESCOPING SHAFT REGULARLY TO MINIMIZE THRUST FORCES.

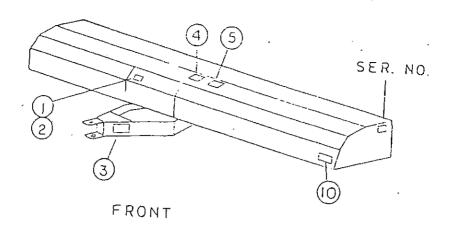
No. 8 — "DANGER" — Decal, Part No. 15110-0, warning of the danger to stay away from rotating drive line. Located on P.T.O. shaft.

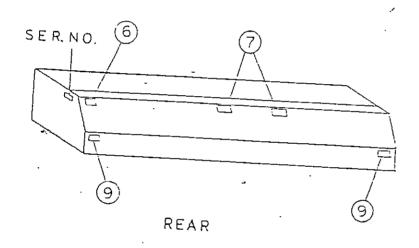
No. 9 — "RED REFLECTOR" — (Not Shown) Part No. 12116-0. Reflector warns traffic of machine's presence on road. Located on rear of machine.

No. 10 -- "AMBER REFLECTOR" -- (Not shown) Part No. 12115-0. Reflector warns traffic of machine's presence on road. Located on left front side of machine.

No. 11 -- "WARNING" -- {located on PTO shaft) Part No. 19680-0. Warns of rotating drive and frequency of lubrication.

DECAL LOCATION





SAFETY CHAIN

TRANSPORTING

Whenever machine is to be transported on a public thoroughfare, always use safety chain and secure safely.

SAFETY CHAIN MOUNTING INSTRUCTIONS

- Mount chain on machine tongue by running chain around tongue frame and running hook through the large ring at the end of the chain and pull tight as shown in Figure A.
- 2.) Run the chain through a clevis pin bolted on the tractor draw bar, then wrap the chain around a supporting member of the tractor and hook as shown in Figure B.

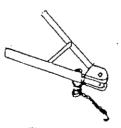


Figure - A

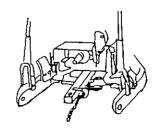


Figure - 8

OPERATION

This shredder has a tapered shield for fast flow of material and a rear discharge for dust. On the front of the shredder there are special rubber skirts to protect the operator from ears of corn and other objects which may become dislodged during operation. Located under the housing is a heavy duty shredder bar. This shredder bar is an exclusive feature of our shredder which protects the main housing from damage and excessive wear by not allowing large objects to enter. In addition to this, we have positioned the deep cup knives so thay they pass within one inch of the shredder bar, creating a great suction which forces the material to flow through the shredder for a more thorough shreading operation. The belt shields on the ends of the shredder protect the belts and sheaves from cornstalks and dirt. They are also designed for ease of lubrication and inspection of belt tension and condition. On the top of the shredder are two access doors to facilitate greasing and inspection of

the inside rotor shaft bearings.

In the manufacture of any shredder, one of the most important procedures is the balancing of the rotor assembly. To ensure proper balancing, the complete rotor assembly with blades is rotated at 1200 rpm and balanced within one ounce inch.

Once the assembly is completed, all bearings are greased, the gear box is filled to the bottom of the level plug, and the machine is tested for operation, vibration and noise level. A check list is then completed on each shredder by the final inspector.

IMPORTANT: Before using machine, with tractor engine stopped [key in pocket], inspect machine and remove any foreign objects.

CAUTION: Never put your hands inside of the machine during operation, or perform any kind of an adjustment, lubrication, or repair to the machine without shutting off the tractor ignition and placing key in pocket. Keep children away from machine in operation.

- Determine right or left side of the machine by viewing it from the rear and looking toward the tractor.
- Use only boits and nuts of types and sizes recommended.
- Lift the shredder only with the lift rings provided on the top of the machine.



CAUTION: At the end of each working session, before getting off of the tractor, lower the shredder to the ground with hydraulic cylinder so that the machine rests securely on the ground or on adequate blocking.

SETTING-UP INSTRUCTIONS

In the set up procedure, keep SAFETY IN MIND. Use adequate blocking to prevent personal injury. Keep children away, injury can occur from lifting too heavy of an item or from a falling member if it is not properly supported or blocked.

- I. INSTALLING THE "A" HITCH AND DRIVE LIME
 - Secure shredder on wood blocks so that the blades are clear of the ground. This will protect the balanced shafts.
 - Slide the "A" hitch into the front
 of the shredder in the front
 mounting brackets located on
 each side of the gear box.
 Fasten in place with the (two)
 1-8 x 3 hex bolts and the (two)
 1-8 hex lock nuts provided.
- 3. Before installing the drive line, slide it apart and use heavy grease on the internal parts, including safety housings. If drive line is not greased it will rust and could pull and break the pin on the gear box spline during turning operation.
- 4. Install drive line.

II. ATTACHING WHEEL ASSEMBLY

1. Slide the axle attaching bracket onto the mounting tube. Adjust it for row spacing and fasten in position with (two) 5/8-11 x 6 hex bolts, (two) 5/8" flat washer, and (two) 5/8-11 hex locknuts provided.

2. Slide the axle arm into the attaching bracket, with tab on end of axle to the top side, and join the arm and the bracket with the attaching pin and 1/4 x 2 cotter pin provided.

Mount tire and inflate to a maximum pressure of 12 P.S.I.

III. LEVELING THE SHREDDER

 The front end of the shredder should be level with the rear end.

This is best judged by standing at the end of the shredder and looking at the bottom of the plate where the belt shield fastens. (For initial level, start at the rear of the machine).

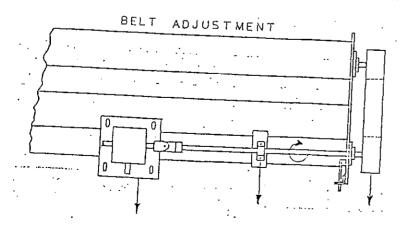
2. The manual jack fastens to the axle arm and the attaching bracket with two one inch pins, flat washers, and 3/16 x 1-1/2 cotter pins provided.

3. There are three adjustments on the slip tube of the manual jack.

NOTE: TO SAVE TIME, BEGIN WITH THE CENTER HOLE.

A

 Connect the shredder to the tractor, making sure engine is stopped, PTO is disengaged, brakes are locked and that you have removed the key and placed it in your pocket.



IV. FIELD LEVELING

- 1. The end of the blade tips should be 4" to 6" from the top of the ground.
- 2. Adjust the front end first.
- Now adjust the rear end so that it is level with the front.

. BEFORE OPERATION



- Make certain that the tractor is still shut down and the key still remains in your pocket.
- Recheck all fasteners for proper installation and tightness.
- 3. Grease all bearings on the jack shaft and rotor shaft lines with a https://www.name.greasing.no.more-that-two-squirts. Over greasing will damage the seals and allow dirt into the bearing.
- 4. Check to ensure that the gear box has sufficient oil. DO NOT over fill the gear box. Correct gear box lubricant level is verified by removing too vent plug. Then use clean dip stick or visually verify that oil is even (level) with the too of main cross shaft. Use EP90 gear lubricant or equal as required.
- Set the tension on the belts to approximately 3/32 inch of deflection in the center.
- 6. Remove all wrenches, tools, grease rags, or other foreign objects from the machine.

ADJUSTMENTS



Never, repeat never, make any adjustment or replace any part without first observing all safety procedures outlined in this manual and waiting until all moving parts have stopped.

- BELT ADJUSTMENT (Excluding Model 240 serial #AW240MR1388 and above, see page 20)
 - Loosen flange bearing, belt tightener rod, and jack shaft bearing bracket.
 - Adjust belt with the belt tightener rod, then tighten the two top bolts on the flange bearing.
 - 3. Pull the gear box forward until the sheave runs parallel with the end plate.
 - 4. Correct any bow in the jack shaft brackets, using a pry bar on the bracket if necessary.
 - 5. Tighten the bolts in the bracket and also the two bottom bolts in the flange bearing.
- 6. Finish by tightening the four bolts on the gear box plate.
- To prevent damage to the bearings, always adjust the gear box and jack shafts when adjusting the belts.

SERVICE

BOLT AND NUT TORQUE SPECIFICATIONS

	RECOMMENDED TORQUE IN FOOT POUNDS COARSE AND FINE THREADS						
	Grade 2	-5140e 5					
BOLT	NO RADIAL DASHED	THREE RADIAL DASHES					
1/4	6	3					
5/16	11	18					
3/8	19	31					
7/16	30) 50					
1/2	45	75					
9/16	j 6-6	110					
5/8	93	150					
3/4	150	250					
7/8	202	378					
1	i 300	! 583					

CAUTION: Never put your hands inside of the machine during operation, or perform any kind of an adjustment, lubrication, or repair to the machine without shutting off the tractor ignition and placing key in pocket. Keep children away from machine in operation.

I. REPLACEMENT OF SLADES

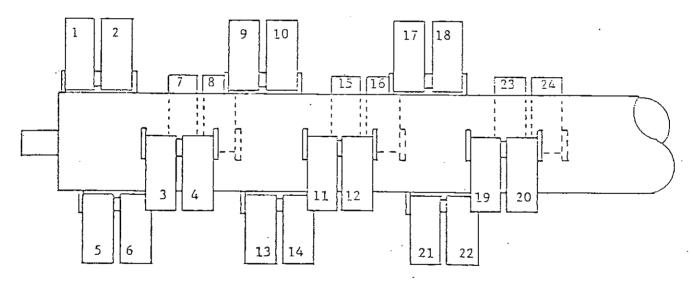
> 1. Disconnect machine completely from the tractor and block securely.

2. Replace the broken blade plus one blade on all 3 (three) rows around the shaft next to the broken blade.

> NOTE: ALWAYS REPLACE BLADES IN SETS OF FOUR TO PREVENT DESTRUCTION OF THE PRECISION BALANCE IN THE ROTOR ASSEMBLY. AN UNBALANCED ROTOR WILL CAUSE THE MACHINE TO VIBRATE EXCESSIVELY AND THILL DAMAGE BOTH THE BEARINGS AND THE SHAFTS.

II. EXAMPLE OF BLADE REPLACEMENT

- A. Blade number 3 is broken replace blade numbers 2, 3, 5 and 7.
 - B. Blade number 4 is broken replace blade numbers 2, 4, 6 and 7 or numbers 4, 8, 9 and 13 depending on which direction has the worst wear.

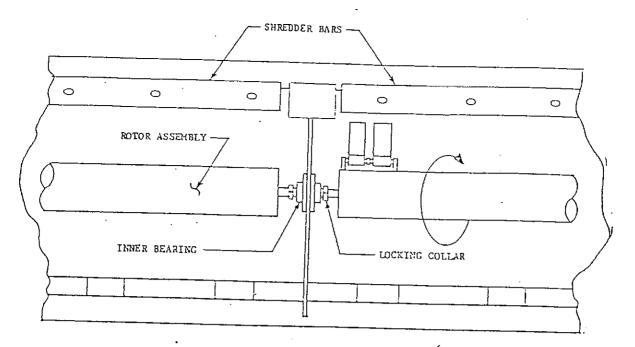


A III. REPLĀCEMENT OF ROTOR SHAFT BEARINGS

- 1. Do not, repeat do not, attempt to replace bearings from underneath the shredder. The proper way is to remove the axle arms and "A" hitch.
- 2. Loosen jackshaft brackets. flange bearings, belt tightener nuts, and remove belts
- 3. Turn the shredder on its back.
- 4. Blow out the three holes in the sheave on the end of the rotor shaft, using WD 40 oil in each of the threaded holes.

- 5. Remove the three bolts in the sheave and re-insert them into the three hole cleaned in stap (Insert finger tight against hub.)
- 6. Work around the hub evenly, turning each bolt one (1) full turn at a time. (Do not attempt to turn each bolt more than one full turn.)

NOTE: IF THE SHEAVE IS STILL TIGHT ON THE HUB, USE A WHEEL PULLER.



- 7. After you have removed the hub and sheave, use an emery cloth to clean the surface of the shaft. Then lightly grease or oil the shaft to permit smooth sliding of the bearing:
- 8. Remove the four (4) bolts that secure the bearing to the end plate and remove the locking collars. Remember, the locking collars are set in the direction of shaft rotation.
- NOTE: IT MAY BE NECESSARY TO FILE THE SHAFT WHERE THE SET SCREW HAS LEFT A BURR. AND, YOU MAY ALSO HAVE TOUSE A WHEEL PULLER.
- Remove the bolts and nuts from the center bearings, but do not attempt to remove the bearing until the shaft is clear of the housing.
- 10. Loosen the locking collar and remove the bearing. (If you are replacing all four bearings, return to step #4 and repeat procedure for the other end.
- 11. Install center bearing on the stub (inner) end of the rotor shaft and lock the collar in position.
- 12. With the grease fitting facing down towards the inspection hole, slide the long (outer) end of the rotor shaft all the way into the end plate and bring back to the center plate.

13. Observing location of the grease fitting, slide the bolts into the holes. Then bring the other shaft into position, guiding the bolts into the bearing.

14. Secure the bolts with the locknuts and tighten down.

NOTE: NEVER SUBSTITUTE A SMALLER BOLT, OR A SOFTER GRADE THAN THOSE THAT ARE STANDARD EQUIPMENT FOR YOUR MACHINE.
TORQUE 9/16 GRADE 5 30LTS TO 110 FOOT POUND AND 5/8 GRADE 5 BOLTS TO 150 FOOT POUNDS.

- 15. Install outside bearing with grease fitting facing down, remember to install the boits through the end plate before sliding the shaft through, install the lock collars and install the hub and sheave.
- 16. Tighten collar snugly against the bearing and, with a drift punch and hammer, lock it tight.
- 17. Check all bolts and Allen screws.
 18. Grease all new bearings with three (3) squirts of grease from a hand operated grease gun.
- 19. Return the shredder to its proper position, adjust the belts and re-install the axle arms and "A" hitch.

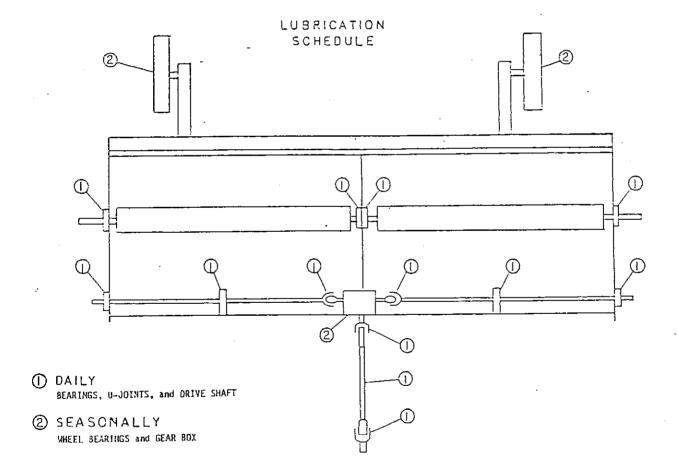
A

DAILY MAINTENANCE

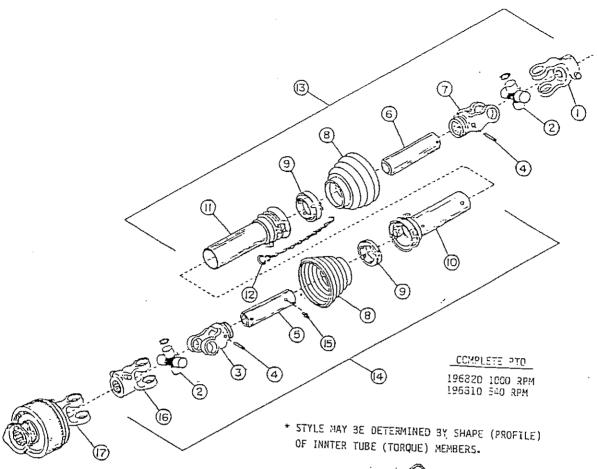
- I. CHECK TENSION ON BELTS.
- II. GREASE BEARING WITH ONE SQUIRT OF GREASE FROM A HAND GREASE GUN EVERY 10 (TEN) HOURS OF OPERATION.
- III. CHECK SEAR BOX LUBRICATION LEVEL SEASONALLY.
 CORRECT SEAR BOX LUBRICANT LEVEL IS VERIFIED
 BY REMOVING TOP VENT PLUG. THEN USE CLEAN
 OIP STICK OR VISUALLY VERIFY THAT OIL IS EVEN
 (LEVEL) WITH THE TOP OF MAIN CROSS SHAFT.
 USE EPPO SEAR LUBRICANT OR EQUAL AS REQUIRED.
- IV. CHECK FOR LOOSE OR DAMAGED FASTEMERS.
- V. CHECK ALL BLADES FOR EXCESSIVE WEAR, OR BENT, OR BROKEN BLADES. (REMEMBER, ALWAYS REPLACE FOUR BLADES AT A TIME).
- VI. CHECK DRIVE SHAFT FOR GREASE AND SMOOTH OPERATION.
- VII. REPLACE WORN, DAMAGED, OR MISSING FRONT RUBBER SKIRTS.

To obtain a long life and troublefree service from this unit, it should be properly prepared and stored.

First, flush entire unit with water to remove all accumulations of dirt, grease, or material. Then check for cracked, worn, or damaged belts, bearings, blades, or other parts. Early detection and replacement of failing parts will save "Downtime" next. season. Repaint any area(s) where the paint has been worn or chipped off. Replace all safety decals that are no longer legible. Remove and grease driveline and store in a dry place. Repack wheel bearings. Set machine on blocks and store inside.



POWER TAKE OFF





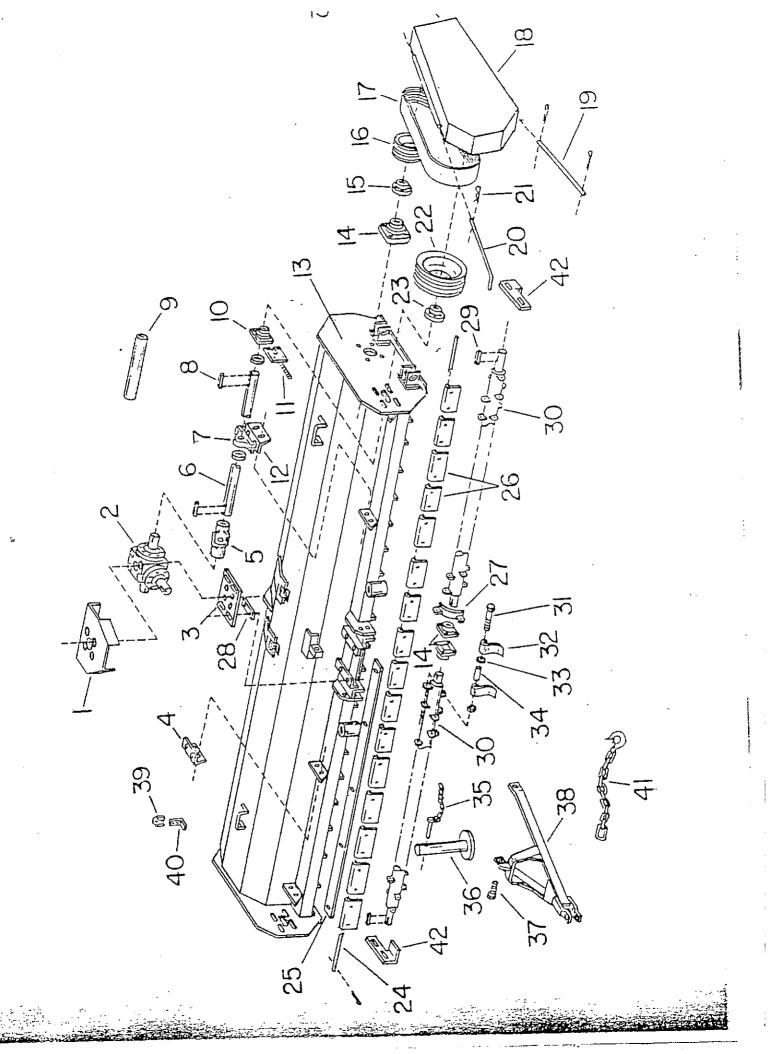
-EARLY STYLE



) -LATE STYLE

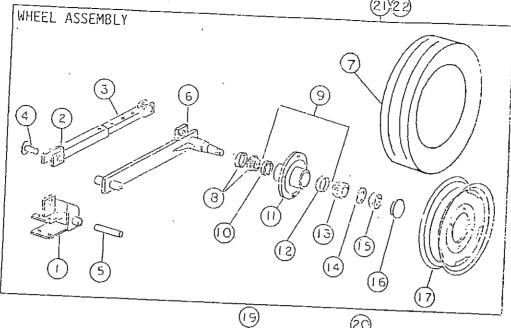
"WALTERSCHEID" POWER TAKE OFF

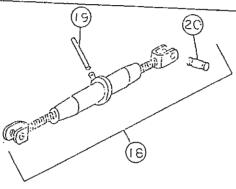
KEY	PART NO.	<u>80</u>	80VS	144	<u>180</u>	240	<u>DESCRIPTION</u>
1	182870	1	,				
	182980	1	I	i			YOKE,1-3/8" 6 SPL Q.D. 540 RPM
2	182230	2	2	į.	1	1	YOKE,1-3/8" 21 SPL Q.D. 1000 RPM
3	182950	1	7	. 2	2	2	VII - CUUSS ANII READING
	196770	· 1	1	1	1	1	INBORAD YOKE 25 (EARLY STYLE)*
4	182880	2	2	1 2	1	1	ANDORRO SUKE NA CHUTE CTVIEN.
	196740	2	2	2	. 2	2	SERTING SIN IU A 82 (EUDIA CASTA)
5	182970	1	ì	1	2	2	SUMMER OF A STATE OF STREET OF STREET
_	196760	ī	i	1	1	1	OUTER PROFILE OF LEADIN STVIET.
6	182960	ī	1	1	1	1	ODICK PROPILE SS (LATE COVIE)
-	196750	Ī	ī	ī	1	1	ANNER PROPERTY OF PERMIT
7	182940	1	ī	ī	1	1	ANNER CRUCILE SA CLATE CTVIEL
٥	196730	1	1	ī	7	1	ANDOARD TUKE IS TENDIA CLAICIT
8 9	182930	2	2 2	2	â	2	ANSONNO TOKE SA ITATE STALEL
10	182900 196790	2	2	2	Ž	2	STICED COME Y 618
11	196780	1	1	l	1	ī	BEARING RING SC24
12	182890	1	1	1	1	ĩ	INNER SHIELD TUBE
13	183210	1	1	1	I	ī	OUTER SHIELD TUBE SAFETY CHAIN
15	196840			1	1	ī	TRACTOR HALF 1000 1
	183220	; -		1	1	1	TRACTOR HALF 1000 RPM (EARLY STYLE) *
	196860	l •	1	1		~-	TRACTOR HALF 1000 RPM (LATE STYLE) *
14	183190	1	1	1			TRACTOR HALF 540 RPM (EARLY STYLE) * TRACTOR HALF 540 RPM (LATE STYLE) * IMPLEMENT ALS (STYLE) *
	196850	Ţ	1	1	1	1	IMPLEMENT HALF (EARLY STYLE) *
15	196890	1	1	Ţ	1	1	IMPLEMENT HALF (LATE STYLE) *
16	182870	1	1	1	1	1 -	SHENDE TEXX
17	182990	ĭ	1	7	1	1	YOKE, 1-3/8" 5 cm a n
	182860	2	2	1	1	I	CEDICO, PRICTION (OCCUPANCE THESE NAME)
18	214570	4	٤	4	2	2	KIT, Q.D. PIN (INCLUDED WITH ITEMS #1 & #16)
	-17JU			1	1	1	
	ر د محرد در وسطی	es.			•		(AVAILABLE THROUGH PARTS ONLY)
		ar a biringan	344	:			MANUAL PARIS UNLY)



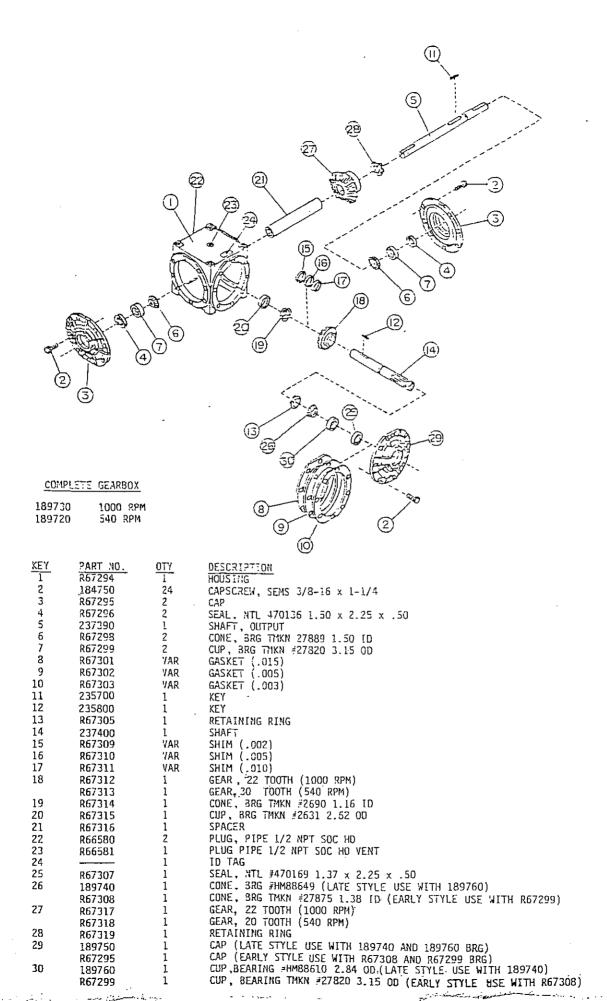
				T T		
<u> </u>	EY PART NO	<u>.</u> <u>80</u>	144	180	240	
	1 R67020	,			240	DESCRIPTION
	R61348	1 4	1 4	1	1	SHIELD, GEARBOX
	005200	4	4	4 4	4	BOLT, 1/2-13 x 1-1/4 AHC
;	R61489 2 18972_0	4	4	4	4 4	WASHER, 1/2 FLAT
•	2 18972-0 18973-0	1	1	1		WASHER, 1/2 LOCK GEARBOX, 540 RPM COMPLETE
	R61646	4	1 4	1	1	GEAROX, 1000 RPM COMPLETE
3	R61489	4	4	4 4	4 4	BOLT, 1/2-13 x 1-1/2 HHC
J	R67041 R61646	1	1	1	* 1	WASEHR, 1/2 LOCK
	R61489	4 4	4		ž	MOUNTING PLATE, GEARBOX BOLT, 1/2-13 x 1-1/2 HHC
	005200	4	4 4	4 4	4	MASHER, 1/2 LOCK
4	R61344			4	4 2	WASHER, 1/2 FLAT
	860608 014770		1	1	2	BOLT, 1/2-13 x 1-3/4 HHC BRACKET, BRG MTG RH
	005200		2 2	2	4	BOLT, I/2-13 x 1-1/2 HHC
	R61489		2	2 2	4 4	WASHER, 1/2 FLAT
5	R61468 R40270	 1	2	ž	4	WASHER, 1/2 LOCK NUT, 1/2-13 HEX
5	R43080	1	2	~-		U-JOINT ASSY 14N
_	R61566	4	3	2 3	* 2 * 9	U-JOINT ASSY 35M
ნ ნ	R66705	1			* 8 	SET SCREW. 3/8-16 x 3/4 SQ HD JACKSHAFT
6	R40250 R66709		2			JACKSHAFT
5	R45250	- -		2		JACKSHAFT
7	R40741		2	2	* 2 4	JACKSHAFT
	_ R61344 005200		4	4	8	BEARING, 1-3/8 PILLOW BLOCK BOLT, 1/2-13 x 1-3/4 HHC
	R61489		8 4	8	16	WASHER, 1/2 FLAT
3	R61468		4	4 4	8 8	WASHER, 1/2 LOCK
9	R53390 R64474	3	5	6	* 5	NUT, 1/2-13 HEX KEY, 3/8 SQUARE x 2
9	R64467 -	1 -	2	-~		SHIELD, SPIN 29"
9 9	R64470		\tilde{z}	2	* 2 	SHIELD, SPIN 23"
9	R64471 R64473				+ 2	SHIELD, SPIN 34" SHIELD, SPIN 28"
ā	R64476			2		SHIELD, SPIN 50"
10	R40290	1	2	2	2 2	SHIELD, SPIN 51-1/2"
	R61344 · 005200	4 4	8	8	ā	BEARING, 1-3/8 FLANGE SLOCK BOLT, 1/2-13 x 1-3/4 HHC
	R61489	4	8 3	8	3	WASHER, 1/2 FLAT
11	R61468	4	8	8	8 3	WASHER, 1/2 LOCK NUT, 1/2-13 HEX
	R42370 020430	1	2 2		≁ 2	TIGHTENER, BELT
1.0	R61469	1	2	2 2	2	WASHER, 5/8 FLAT
12	R62891 014770		1	ī	2 2	NUT, 5/8-11 HEX BRACKET, BRG MTG LH
	005200		_	2	4	BULT, I/2-13 x I-1/2 HHC
	R61489			2 [.] 2	4 4	WASHER, 1/2 FLAT
13	R61468 R40470		_	2	d d	WASHER, 1/2 LOCK NUT, 1/2-13 HEX
13	R64451	1	1 .			HOUSING
13 13	R64622		_	- - !		HOUSING
- 14	R45220 R16260	2	 .		1	HOUSING HOUSING
14	R66250.	- -	4 4		4	BEARING, 1-3/4 FLANGE BLOCK
14	1981 <u>60</u> R61718	. 		-	7	PEAKING, 2-3/16" FLANCE BLOCK III FIR
-	R61321	- 	4 4			BOLT, 9/16-18 x 1-3/4 HU
_	R61575	8	4 4 12 1	2		PULI, 9/16-18 x 3 HHC
	213260				 4 1	NUT, 9/16-18 HEX LOCK
	R6 470 6 R61480			- 4		30LT, 5/8-18 x 2-1/4 HHCS
	990580				•	BOLT, 5/8-18 x 3-1/4 HHCS. BUT, 5/8-18 HEX LDCK
	990540			· 8	, ,	OLT, 3/4-10 x 3-1/4
15	152360 - R37960	2=			_	OLT, 3/4-10 x 2 UT, 3/4-10 LOCK
15	R66251		Ξ <u></u> <u>ż</u>	-		UB, ROTOR SHEAVE Q.D. SK 1-3/4"
16 16	R40750		2	_	• • • • • • • • • • • • • • • • • • • •	OD F NOTOK SHEAVE OF A STREET
16	R41180 R64761		2			TICATION AND THE TENT OF THE T
17	R39950	-	- -	2	Si	HEAVE, ROTOR 4/B Q.D. 8" HEAVE, ROTOR 5/B Q.D. 8"
17 17	R41190		2 - - 2		0.0	-LJ, UKIVF 3/R_70
18	R65108 R65647		- -	* 2	. RI	LI, DRIVE 4/8-70
18	R65648	1 1 1		* 1	21	LT, DRIVE 5/B-70 NELD, BELT ASSY RH
19	R60578	1 2		* 1 * 2	21	IELD. BELT ASSY ID
20	R61531 R60577	2 4	4	* 4	RU	D, BOLLOW CHIELD
21	R50990	1 2 1 2	_	* 2	RU	N, 1/8 x 1 COTTER D, TOP SHIELD
		· ·	2	* 2 *Model	19	N 3/16 - 7 control
	de la contraction de la contra	-	ore in the	For.sı iz.For.sı		
··				Name of the last		Ty prior to serial ANFKZ40MR1388. ANFKZ40MR1388.and above see pages 19 1 20

	DOT 10	80	141	180	240	DESCRIPTICAL
XEY	PGRT 10.	1	2 .		 -	CUCAME TACKSHAFT 3/B 12.4" SK
22 22	940330 841170	<u></u>	<u></u>	2	_	SHEAVE, JACKSHAFT 4/B 12.4" SK SHEAVE, JACKSHAFT 5/B 12.4" SF
22	R64762	 1	2	<u>-</u> 2	2	- umb - Jacksmitt Engaye 38 17979
23 23	R40340 R64765	1 			2	Hub. Jacksnart Sneave of 1990
24	R42330	i				Rod, Skirt 86" Rod, Skirt 80"
24	R42340		1 	2	- -	Rod. Skirt 91"
24 24	342360 345310				2	Rod, Skirt 123"
24	342870		1		 2	Rod. Skirt 57" Pin. 1/8 x 1-1/2 Cotter
25	R61505 R63938	1 1	2 .	2	- -	Bar, Shredder 32"
25 25	R60539		2			Bar, Shredder 70" Bar, Shredder 87"
25	R61055			2	- - 2	Bar, Shredder 119"
25	264368 261646	4	- - 5	8	10	Bolt, 1/2-13 x 1-1/2 HHC
	R61489	4	6	8	10	Washer, 1/2 Lock Nut, 1/2-13 Hex
	R61468	7 7	6 6	8 8	10 10	Washer, 1/2 Flat
26	005200 18333-0	13	23	29	39	Skirt. Rupper 5-1/8"
20	035Z1-0	15	. 25	31	4] 4	Washer, 5/8 Flat Bearing Guard
27 27	223490 18353-0		 4	4		Bearing Guard w/Slot
21	18384-0		8	8	8	Washer, 5/8 Special
28	267002	2	2	2 2	* 2 	Spacer Key, 3/8 Square x 2
29	R53390 R66305	1	2	۷ 	2	Kay, 1/2 Square x 2
29 30	R40120	1		·	- -	Rotor Ass'y w/o Knives
30	18322-0	1				Rotor Ass'y w/Knives Rotor Ass'y w/H.S. Knives
30 30	18323-0 860586	1	 2			Rotor Ass'y w/o Knives
30	R60719	·		2		Rotor Ass'y w/o Knives Rotor Ass'y w/o Knives
30	R66297		 1		2	Onton activ w/Knives R.H. w/Offsets
30 30	18274-0 18275-0	~ -	· Ī			Onene Beels w/Knives L.A. W/UTTSETS
30	18276-0		1	-		Rotor Ass'y w/H.S. Knives R.H. w/Gffsets Rotor Ass'y w/H.S. Knives L.H. w/Gffsets
30	18277-0		1	1		Potor Ass'v W/Knives R.H. W/Uttsets
30 30	18278-0 18279-0			1		Potor Acciv w/Knives L.H. W/OffSets
30	18280-0			1		Rotor Ass'y W/H.S. Knives R.H. W/Offsets Rotor Ass'y W/H.S. Knives L.H. W/Offsets
30	18281-0			1	1 .;	Doton Ashly W/H S Knives R.H. W/OTTSets
30 30	18284-0 18255-0		- -		Î''	Rotor Ass'y W/H.S. Knives C.H. W/OI Seld
. 31	R61567	24	40	48	64	Bolt, 5/8-11 x 7 HHC Nut, 5/8-11 Hex Lock
	R66867	24	40 1	48 1	64 - 	Kiti Offset Knives (2)
32 32	R62067 R62066				1	Kit. Offset Knives (2)
32	R40140	48	80	\$ 96 \		Standard Knives Hard Surfaced Knives
32	R40141 R45450	 1 8	80 	1301	128	Hard Surfaced Knives
32 33	R41660	24	40	48	64	Spacer, Blade
34	R41650	24	40	48	64 2	Bushing, Blade Pin & Chain Ass'y
35 36	16716-0 R60636	1 1	. 1	1 1	2	Stand, Parking
30	04237-0	î	1	. 1	2	Nut, 1/4-20 Hex Lock Bolt, 1/4-20 x 3/4 HHC
	01205-1	1 2	1 2	1 2	2 2	Bolt, 1-8 x 3 HHC
37	R66338 R65072	2	2	2	2	Nut, 1-8 Hex Lock
38		1	1	1	1	Hitch Ass'y Socket, S.M.V. Mounting
39		1 2	1 2	1 2	2 4	Bolt, 5/16-18 x-3/4 Crg.
	01241-0 02362-0	2	2	2 .	4	Washer, 5/16 Lock
	02363-0	2	2	2	4 2	Nut, 5/16-18 Hex Lock Bracket, Socket Mounting
40) 1493166RI 03108-0	l 1 1	$\frac{1}{1}$	$\frac{1}{1}$	2	Bolt, 1/2-13 HHC
	03108-0	1	1	1	2	Washer, 1/2 Lock
_	00536-0	1	1	1 1	2 1	Nut, 1/2-13 Hex Kit, Safety Chain
41 42		1 2	1 2	2	2-	SCRAPPER. END BEARING
46	212970	4	4	4	 	BOLT, 9/16-18 x 2 WASHER, 9/16 FLAT
	129230 E672416	· 4	4	4	4	BOLT, 5/8-18 x 2-1/2
	035210				4	WASHER, 5/8 FLAT
	18301-0		1	1		Kit, Sun Master Decal
	18311-0	 1		- -	1	Kit, Sun Master Decal Kit, Sun Master Decal
	18328-0	1				VICT SEE HESSEL Desa.

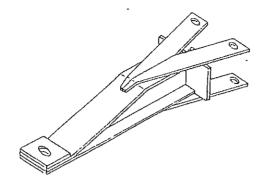




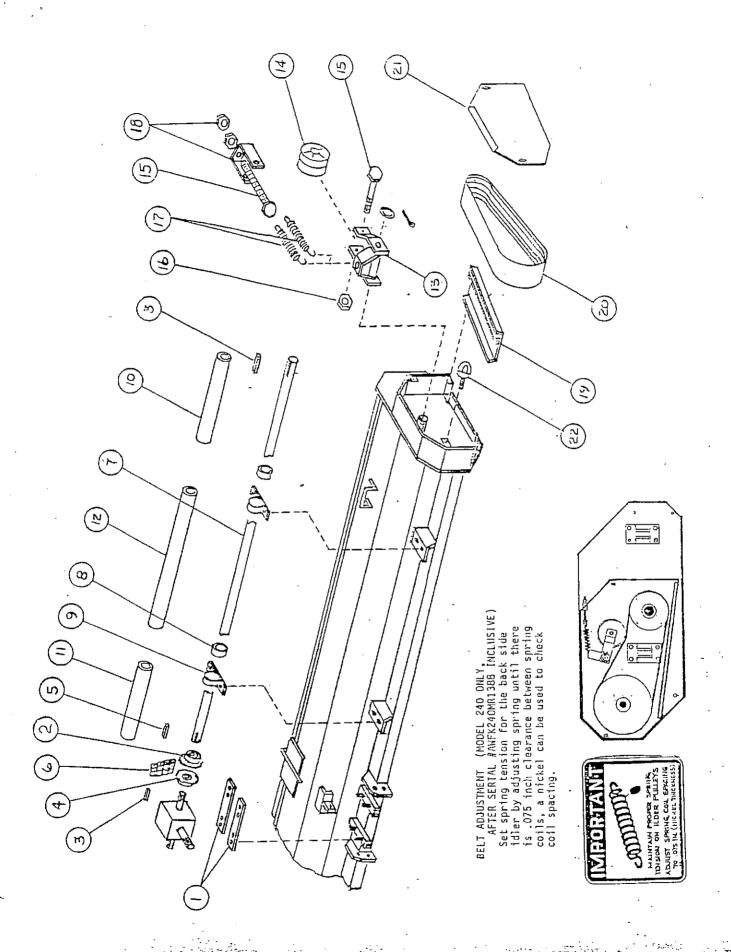
KEY	PART NO.	80	144	180	2/0	
1	212412				240	DESCRIPTION
1	R40440 R61119	<u>1</u>	1	1	1	Bracker L. V.
	020430	~	~	_	_	Bracket, Axle Adj. & Att. Ass'y Bolt, 5/8-11 x 6 HHCS
	R61476	_	-	_	_	Washer, 5/8 Flac
2	R60428	-	-	-	_	Nut, 5/8-11 Hex Lock
	R61455	. 1	1	1	1	Tube, Outer Adj. Ass'y
	R61480	_	-	-	_	Bolt, 5/8-18 x 3 HHCS
3	R60429	. 1	-		-	Nuc, 5/8-18 Hex Lock
4	R42500	_	1	1	1	Tube, Inner Adj. Ass'y
	R61694	_	-	-		Pin, Clevis 1" x 2-1/2
	R61510	_	~	-	-	Washer, 1" Flat
5	R40070	_	~	_	-	Pin, 3/16 x 1-1/2 Correr
	R61513	_		-	-	Fin, Axie Arm Arrachina
6	182100	1	_ 1		_	rin, 1/4 x 2 Corter
6	182110	î	1	I l	l	AXIe Arm Assiv i u
7	219620	ī	ì	1	1	AXIE AFM ASS'V, R.H
8	I602958R91	1	î	l	1	rare
9 10	1803506	1	ī	1	1	Cone, 1.25 ID. w/Seal
11	I651817RI	1	ī	1	1	dub, 4-Bolt w/Cups
12	1765108	1	1	î	Ĺ	Cup
13	I651814RI	1	1	ī	ì	Hub, 4-Bolt w/o Cups
14	1758209	1	1 .	ī	î	Cup
15	I575813R1	-	_	_	_	Cone, .75 ID
13	I69442D	-	-	_	_	Washer, 3/4 Flac
16	I120123	-	-		_	Nut, 3/4-16 Slotted Hex Jam
17	1799509 1757903	1	1	1	1	Pin, 1/8 x 1-1/4 Cotter Cap, Wheel Hub
-,	164420	1	1	I	ī	Rim, 15 x 4-1/2
18	R39520	1	1	1_	1.	Valve Stor/C
19	R41830	1	l	1	1	Valve Stem w/Core & Cap Jack, Ratchet
20	R41810	1	1	1	1	Handle, Jack
	R41820	-	-	-	-	Pin, Yoke
21	181840	1		-		Pin, Cotter Hair
22	181850	1	1	I	1	All Wheel Assir I H (Caralan)
23	I351079R1	-	1	1	1	THE TREE MASSIN DISTRICT
					-	Bolt, Wheel Hub



DISK HITCH



KEY	PART NO.	QUANTITY	DESCRIPTION
1	R42650 20166-0 02044-0 I124589	1 2 2 2	DISK HITCH BOLT, 5/8 x 6 HHCS, G5 WASHER, 5/8 LOCK NUT, 5/8
	18194-0	-	KIT. DISK HITCH COMPLETE



MODEL 240 ONLY BACK SIDE IDLER (AFTER SERIAL #AWFK240MRI388 INCLUSIVE)

KEY	PART NUMBER	QTY	DESCRIPTION
1	210650 R61489 005360	2	BRACKET, GEARBOX MTG WASHER, LOCK 1/2
2	210690	4 2	NUT, HEX 1/2-13 SPROCKET, TYPE "B" 60B14 - 1-3/8 BORE
3	R29110 R53390	4 4	SET SCREW, ALLEN HD 3/8-16 x 5/16 KEY, 3/8 x 2
4	210700 120970	2 4	SPROCKET, TYPE "R" 60814 1-1/2 RODE
5 6	021630 163770	2	KEY, 5/16 SO x 1-1/2
7 8	210680	2 2	CHAIN ASSY, 60-2 x 14 JACKSHAFT. 120"
9	R40741 1770500	4 - 8	BEARING, 1-3/8 P. BLOCK
	005200 - R61469	16 8	BOLT, 1/2-13 x 1-1/4 HHC WASHER, FLAT 1/2
10	R61468 119641	8	WASHER, LOCK 1/2 NUT, HEX 1/2-13
11 12	R64469 R64476	2	SHIELD, SPIN 24" SHIELD, SPIN 33"
13	210330 1107389	2 2 2 2 2	SHIELD, SPIN 51-1/2" IDLER WELDMENT
14	124340	2	WASHER, FLAT 1" PIN, COTTER 3/16 x 1-1/2
15	210270 162930	2 4	PULLEY ASSY, IDLER BOLT, 1/2-13 x 5-1/2
16 17	127890 220860	2 4	NUT, LOCK 1/2-13 SPRING
18	224400 R61468	2 4	CLIP, TAKE-UP BOLT
19	210890 012260	2 .	NUT, HEX 1/2-13 BOTTOM CHANNEL
	021190 021180	8 8	BOLT, 3/8-16 x 1 WASHER, FLAT 3/8
20	027260	8 8	WASHER, LOCK 3/8 NUT, HEX 3/8-16
21	210260 210390	2 1	BELT, DRIVE 5/B-72
22	210400 156510	1 4	SHIELD, BELT - RIGHT SHEILD, BELT - LEFT
	022920	-	LATCH, SHIELD WASHER, FLAT 5/16 x 3/4

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