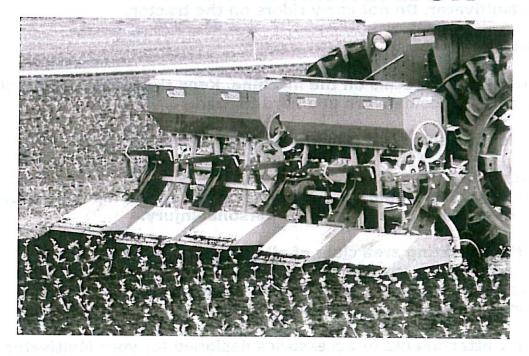
Autivator

ROW CROP CULTIVATOR



OPERATOR'S MANUAL & PARTS LIST

MODELS: FPSR, FPSRXA

SAFETY PRECAUTIONS

<u>READ THIS OPERATOR'S MANUAL CAREFULLY!</u> Read and understand these safety precautions before operating the Multivator. Only responsible properly trained individuals should be allowed to operate the machine. The operator should be familiar with the controls, all safety precautions and all potential hazards.

Never allow children to operate the Multivator. Do not permit anyone to ride on the Multivator. Do not carry riders on the tractor.

OPERATION

- 1. Follow all safety decals on the machine. Keep them clean and replace them if they become worn and hard to read.
- 2. Never leave tractor or Multivator unit running unattended.
- 3. Do not modify the machine in any way unless authorized by Ford Distributing, Inc. Unauthorized modifications to the machine could result in machine damage and/or personal injury.
- 4. Keep the operating area clear of all persons particularly small children and pets. Inspect the operating area before using the Multivator and remove any obstacles which could damage the machine, or become entangled in the blades.
- 5. Use only attachments or accessories designed for your Multivator.
- 6. Do not operate the Multivator without all guards, shields and other safety devices correctly installed.
- 7. Never use an unshielded PTO shaft, and always attach the shield retainer chain to the tractor or Multivator.
- 8. Do not allow bystanders behind the Multivator when in operation. Rocks may be thrown to the rear.
- 9. Do not operate the universal drive joint at an angle greater than 35°, or vibration and damage could result.
- 10. Do not till across the face of slopes. Use extreme caution when turning on slopes.

SAFETY PRECAUTIONS

- 11. Operate the Multivator only when you have good visibility. Make sure your feet are properly placed on the footrests and keep a firm grip on the steering wheel.
- 12. Be careful not to touch tractor or Multivator parts which may be hot from operation. Allow parts to cool first.
- 13. Whenever leaving the tractor and Multivator unattended, disengage the PTO, shift into neutral, set the parking brake, lower the machine, stop the engine and remove the ignition key.
- 14. Always disengage power to the Multivator when transporting or when not in use.

MAINTENANCE AND STORAGE

- Never adjust, clean, repair or grease the Multivator or tractor with the tractor enging running. Stop the engine, disengage the PTO and remove the ignition key whenever you are not at the operating controls.
- 2. Do not crawl under the Multivator when it is in a raised position. Never rely on tractor hydraulics to hold the machine in a raised position. Always provide support with blocks before adjusting, cleaning, repairing or greasing the machine.
- 3. Check tightness of bolts, nuts, spring pins and clip pins frequently to ensure a safe working condition.
- 4. Follow the daily lubrication and periodic maintenance procedures as described in the Operator's Manual.
- 5. When storing the Multivator, make sure it is securely blocked in a safe, level position.
- 6. Follow proper maintenance and repair schedules to keep unit in safe working order.
- 7. Always use proper protective equipment when working on unit.



SPECIFICATIONS

POWER RANGE

FPSR/FPSRXA: 50-150 PTO Horsepower

TRACTOR REQUIREMENTS

540 RPM standard rotation PTO Category I or II three point hitch

TRANSMISSION

By shielded PTO shaft assembly to single speed gearbox for use with 540 RPM tractor PTO.

Friction disc slip clutch is available for extremely rugged or stony conditions.

Input shaft on Multivator gearbox is 1-3/8" 6 spline.

FINAL DRIVE

Power to rotor and blades is by heavy duty roller chain in sealed oil bath drive case assembly.

FP/FPA/FPXA use 100H (20B) equivalent chain

ROTOR AND BLADES

Multivator heads are equipped with four blades per flange. Blades are forged from chrome alloy steel, heat treated and shaped to take minimum power with maximum tillage ability.

SPECIFICATIONS

DEPTH CONTROL

The frame height is controlled by front mounted gauge wheels. Depth is controlled by adjusting the gauge wheel height via the screw jack assembly.

Spring tension on the tillage heads provides positive down pressure to keep tillage heads at maximum depth while allowing the heads to float over undulations and stones. In hard soil conditions, spring tension may be increased to provide more down pressure. In stony conditions spring tension may be eased to allow for more flotation.

GROUND SPEED

Ground speed is governed by power and soil conditions. Hard ground will require lower travel speeds to maintain smooth operation. Good ground conditions with reasonable moisture will allow travel speeds of 4-5 mph. Light ground conditions, shallow cultivation or a second pass will allow travel speeds of 5-6 mph.

OPTIONAL FERTILIZER KIT

Dry granular fertilizer capacities:

40" hopper – approximately 350 lbs.

60" hopper - approximately 500 lbs.

80" hopper - approximately 650 lbs.

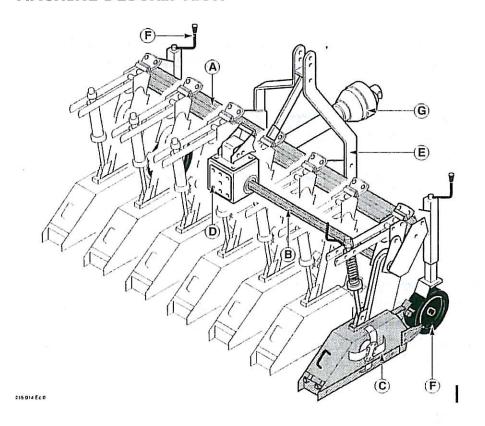
Sufficient downspouts are provided to allow for multiple row requirements. Fertilizer drive is by 2 V-belts and 3 pulleys. Drive pulley is mounted to same hexagonal shaft which power tillage heads.

ROTOR SPEEDS AT 540 RPM PTO SPEED

FPSR/FPSRXA 312 RPM



MACHINE DESCRIPTION

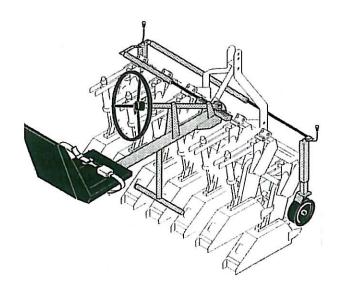


- A. Toolbar
- **B.** Hex Drive Shaft
- C. Tillage Heads
- D. Gearbox
- E. Three Point Hitch
- F. Gauge Wheels
- **G. PTO Shaft**

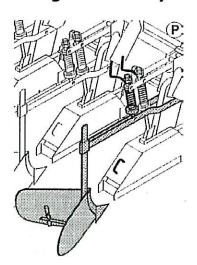


MACHINE DESCRIPTION

Steering Guide



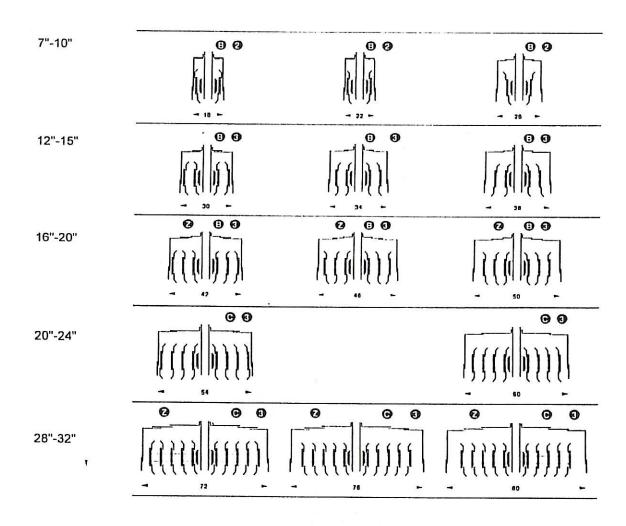
Ridger Assembly





BLADE CONFIGURATION FPSR/FPSRXA

Head Sizes



REFERENCE	PART NUMBER	DESCRIPTION
В	420160005	Narrow center shield
С	420160006	Medium center shield
D	420160007	Wide center shield
2	420252005	Medium side shield R.H.
2	420254005	Medium side shield L.H.
3	420252006	Wide side shield R.H.
3	420254006	Wide side shield L.H.
Z	320070003	Extension shield



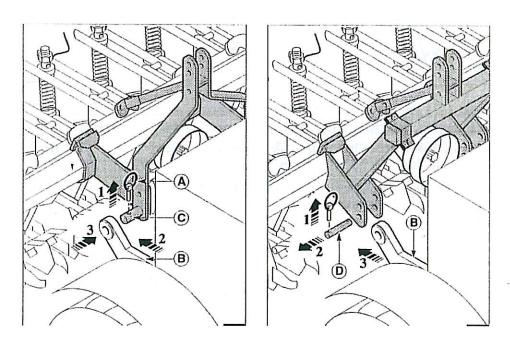
MOUNTING MACHINE TO TRACTOR

- 1. Ensure that the tractor PTO is set for 540 rpm.
- 2. Stabilizers must be used on 3 point hitch arms to limit side sway.
- 3. A lift stop must be fitted to the hydraulic lift lever to prevent over lifting of the Multivator while in operation.

When lifting the Multivator during normal operation, ground clearance of 6-8" under the blades is completely adequate. Under no circumstances should the Multivator be raised to the point where damage to the universal joints on the PTO shaft occurs.



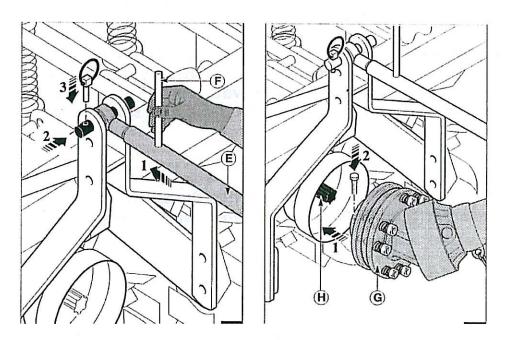
Never operate the machine with the universal joints at an angle greater than 35°. Excessive wear and damage will result!



4. Back the tractor up to the hitching points on the Multivator. Stop a few inches away and set the tractor hitch arms to the height of the Multivator hitch pins. Shut off the tractor engine.

TECHNICAL INFORMATION

5. Remove the split pins (A). Roll Multivator into position and insert the hitch arms (B) into the pins (C). Reinsert split pins (A) to lock pins into position. If machine is equipped with removable hitch pins, pins must be removed before fitting the tractor arms into position.



- 6. Position tie rod (E) as shown above. Connect tie rod to machine from tractor's third point. Rotate adjustment handle (F) in either direction until machine is in a level position. Adjust the tractor top (E) link so that the Multivator frame is tilted to the rear approximately 5° from vertical. This ensures that the leading edge of the tiller shield is higher than the trailing edge and will not plow into the ground. Make this adjustment with the machine resting on the ground.
- 7. Connect the PTO shaft assembly (G) to the Multivator gearbox input shaft (H). Connect the other end of the PTO shaft assembly to the tractor PTO shaft. Ensure that the quick disconnect pins snap into place on both shafts.

At this point you may have determined that the PTO shaft assembly needs to be shortened. If you can connect the PTO shaft to the tractor and Multivator without shortening it, you must ensure that the PTO shaft will not bottom out during operation. This may occur when raising or lowering the Multivator. If the shaft bottoms out during operation damage may occur to the PTO shaft assembly, Multivator gearbox and the tractor PTO.

Multivator

TECHNICAL INFORMATION

Following are 2 techniques for measuring for the correct length of PTO shaft:

- a. With the Multivator attached to the tractor, measure the horizontal distance from the input shaft on the gearbox to the tractor PTO shaft. Place the fully closed PTO shaft assembly on the ground and measure its overall length. If the PTO shaft assembly is shorter than the distance between the tractor PTO shaft and gearbox then you should not have to shorten it. If it is longer, then subtract the shorter measurement from the longer measurement. Add 1" to the difference. The result is the excess length that will need to be removed from each half of the PTO shaft assembly.
- b. With the Multivator attached to the tractor, separate the PTO shaft assembly into two halves and attach one half to the tractor and one half to the Multivator. Hold each half alongside each other and determine the excess length of each half of the PTO shaft assembly.

PROCEDURE FOR CUTTING THE PTO SHAFT:

- a. Separate the PTO shaft into two halves.
- b. Using the measurement obtained above, shorten the plastic guarding using a hack saw.
- c. Using a chop saw, or a hack saw, shorten the steel profile tube by the same amount.
- d. Cut each half of the PTO shaft.
- e. De-burr the profile tubes.
- f. Grease and reassemble the PTO shaft.



PRE-WORK INSPECTION

Before using your Multivator, perform the following checks and services each day. (See Maintenance section for further details.)

- 1. Check gearbox for sufficient oil. If oil is to be added, use SAE 140 EP gear oil.
- 2. Grease the PTO shaft sliding sections and universal joints.
- 3. Grease the gauge wheel axles.
- 4. Remove any trash or material wrapped around the rotor or the rotor bearing covers.
- 5. Check for loose blades. Tighten any blade bolts as necessary. Loose blade bolts can lead to broken blades.
- 6. Check all bolts on machine for tightness.

SETTING DEPTH

Cultivation depth is controlled by raising or lowering the gauge wheels on the front of the tool bar. With the Multivator attached to the tractor, and with the blades resting on the ground, raise the gauge wheels to the desired cultivation depth. Typically, this will be between 1" and 4" deep.

WORKING

Start the tractor engine and lift the Multivator clear of the ground. Six to eight inches should be sufficient height to lift the machine. Proceed to the work site and position the tractor for the first run.

Engage the tractor PTO, select a low gear, and move ahead slowly lowering the Multivator into the ground. Use at least ¾ throttle when starting and increase to rated engine speed at 540 PTO rpm as the Multivator sets into the soil.

The Flow Rate Control Knob for the tractor hydraulics may need to be set to the "Slow" position to ensure gentle lowering of the machine into the gound. Also make sure that the three point hitch is set in the "Float" position.

Multivator

After a short working distance, stop the tractor and check your work to see that desired results are being obtained.

RUNNING IN

For the first 10 hours of operation, run the Multivator easily. Do not allow the Multivator to lug the tractor down. Check the temperature of the gearbox and chaincase units to ensure that they are not operating at excessive heat levels. High temperatures can be an indication of a potential problem with a component, low oil levels, or possibly an assembly problem.

GROUND SPEED

Ground speed is governed by power and soil conditions. Hard ground will require lower travel speeds to maintain smooth operation. Good ground conditions with reasonable moisture will allow speeds of 4-5 mph. Light ground conditions, shallow cultivation, or a second pass will allow travel speeds of 5-6 mph.

ENGINE RPM

Try to operate at the rated engine speed to achieve 540 RPM PTO speed. Allowing the tractor to lug down continuously can result in damage to the tractor and the Multivator.

SOIL TILTH CONTROL

Tilth is governed by forward speed and engine RPM. Slower forward speeds will give the finest possible finish. Higher forward speeds will give a cloddier or rougher finish.



HEADLAND PROCEDURE

Each time the headland is reached, lift the machine clear of the ground (6" to 8" maximum). With the blades rotating, turn the tractor for the next pass, and slowly lower the machine into the ground.

DO NOT TURN THE TRACTOR WITH THE MULTIVATOR IN THE GROUND!

WORKING LIMITATIONS

It is very important that the Multivator be used in conditions that will not obviously damage the machine. The Multivator has the ability to handle small stones and other obstacles by "walking over" these obstacles and kicking them out behind the machine. The forward rotating blades, and free floating heads, allow for this action to occur.

Extremely rugged conditions will cause excessive wear and tear on blades, shielding, and working components of the machine, requiring more operator maintenance.

If the blades do not penetrate the soil easily, and you can not obtain more than 1" depth on a first pass with wheels clear of the ground, conditions may be too dry and hard. Continued use of the Multivator in such conditions will cause excessive wear on the drive train and will void any warranty consideration.

If considerable vibration, jumping, and shock loading is apparent, then the conditions are not suitable to work in.

If these conditions are unavoidable, then please adhere to the following guidelines:

- Try to irrigate, or wait until adequate soil moisture is present
- Use another tillage tool, such as a chisel shank or V-ripper, to relieve compaction before using the Multivator
- Relieve spring tension on the tiller heads to allow them to float more easily over obstacles
- Fit a safety clutch to the PTO drive line
- Increase the frequency of machine inspections during operation



 Be attentive to the machine and any potential problems, particularly loose blade bolts, broken blades, and high fluid temperatures in the gearbox and chaincases

ABRASIVE SOILS

Use in very abrasive soils will significantly reduce blade life. These soils are sandy or gravelly in nature.

Additional care should be taken to inspect the chaincase skid at regular intervals. The chaincase skid provides important protection to the chaincase, as well as eliminating the center untilled strip. The chaincase skid must be replaced when it is worn out.

Optional chaincase wearing shoes are available from the manufacturer. These wearing shoes bolt to the underside of the chaincase and provide an additional wearing surface. They may provide additional protection in very abrasive conditions.

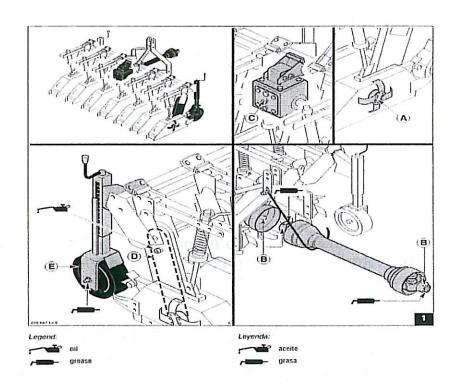
HEAVY TRASH CONDITIONS

In very tall weed growth, tough grass tilling, corn residue, stalky or vine type weeds, care should be taken to avoid excessive weed wrap on the blades and rotors. After using the Multivator, clean any residue from the tilling blades, particularly between the inner blade flanges and the chaincase.

If trash buildup is occurring on the shields, reposition the shields so they are angled down in the back and up in the front. This is accomplished by repositioning the brackets to which the shields are mounted.

If trash buildup is occurring on the center sweep, it may be necessary to remove the "wings" from the center sweep with a torch. The center sweep will then slice through the soil and trash. However, it should be remembered that removing the wings from the center sweep will reduce the effectiveness of the sweep for weed removal.

MAINTENANCE



DAILY

Blades (A)	Check for loose bolts and retighten.
Blade bolts, rotor bolts, flange bolts, shield bolts, clamp plate nuts	Check for loose bolts and retighten.
PTO universal joint bearings (B)	Grease universal joints and sliding sections of PTO shaft with quality grease.
Wheel bearings (E)	Grease with quality grease.

WEEKLY

Gearbox (C)	Check oil level. Refill if necessary with SAE140EP.
PTO shaft	Clean shaft and check bearings.
Complete Machine	Clean machine for thorough inspection. Check all miscellaneous bolts and nuts to ensure tightness.
Chaincase	Check wearing skids and replace any worn skids as necessary.

**After initial running period, (approximately 25 hours) drain the gearbox oil and replace. Some discoloration of the oil is normal.

**On a monthly basis check the oil level in all chaincases. Remove fill plug to access oil level. Refill all that are necessary with SAE90 gear oil.

MAINTENANCE



CHAIN ADJUSTMENT

On models FL and FLA an automatic chain tensioner is supplied which eliminates the need for manual chain adjustement.

CHAINCASE LUBRICATION

Each chaincase is supplied fully lubricated. Over time, lubricant will need to be replaced, and periodically the chaincase may need to be completely flushed and refilled.

Adding lubricant is done through the breather – fill plug located on the side of the chaincase. Chaincases should be filled approximately 1/3 full with good quality SAE90 gear oil. If too much oil is added to the chaincase you will notice oil escaping from the breather plug in a fine mist.

Another method of lubricating the chaincase is to pack the case completely with grease. This can be done when renovating old chaincases with worn components, as the grease helps to seal the chaincase from dirt.

ROTOR MAINTENANCE

Remove'flanges and draw bolt(s) on a yearly basis, preferably before the initial use for the season. Remove all foreign debris that has accumulated on flanges, blades, rotor, and dust covers. Inspect all flanges, draw bolts, metal dust covers, and oil seals. Replace any and all items with excessive wear. Be sure that oil seals are intact and not leaking chaincase oil.



TROUBLESHOOTING

PROBLEM

DIAGNOSIS

PTO shaft vibrates or chatters	Check for worn cross and bearing kits. Pay attention to lift height when machine is in use. Lifting machine too high puts the PTO at angles causing premature wear.
Gearbox noise is noticeable or constant.	Check oil level in gearbox. Make sure nothing is obstructing moving components tied to gearbox.
Intermittent clicking noise from rotors, chaincase or gearbox.	Check for loose blades. If noise persists check gearbox for damage to pinion gear or ring gear teeth. Clicking noises inside chaincase can indicate a worn chain skid. Replace as necessary.
Slapping noise from chaincase	Chain is too loose. If chain is worn it should be replaced or shortened if possible.
Hex drive shaft is rotating but blades are not.	This indicates a broken chain link inside the chaincase, broken or rounded off drawbolt.
Burning smell, or signs of excessive heat.	Usually caused by rotors which are not turning freely. Check for trash wrapped around rotor, especially between inner rotor and dust cover.
Blades won't penetrate average soil conditions	Check that blades are installed correctly. Blades or complete flange may have been installed backwards
Machine skips or does not cut all weed residue.	Check for worn blades. If blades are worn down to a sharp point, overlap will be lost and cutting ability will deteriorate. Replace worn blades
Machine vibrates while tilling	Check for bent flanges or a bent draw bolt.

Qty. Description No. Part Number

Screwjack handle	Nut M16
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M500130004	M103040034
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M103040034	×	Z
M320770004	~	O
M420610001	7	\supset

	ш.
Clamp plate	Upper support
-	7

סומו לי הומים	Upper support FPSR	Upper support FPSRXA	End Plate	
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M420610030 M320620006 M103150066 M320020004 M103150034 M420610011 M420610012 M101050012

50mm
Locking ring
α

Bolt M10x20	Lower support & axle FP
7	7

Lower support & axle FP	Lower support & axle FPA/FPXA	Wheel
7	7	7

	6205E
Spacer	Bearing
2	4

2000	Bearing 6205EZ	Washer
1	4	7

M104010002 M320670005

M320210007

Locknut M16	Hitch pin Cat 1 - threaded	Hitch pin Cat 2 - threaded
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1103040072	1101040002	1101040004

5 ,	M101040002	7 0	Hitch pin Cat 1 - thre
<u>c</u> 6	M420610006	N W	Hitch pin Cat 2 - thre Lower hitch bracket

Lower hitch bracket	Bolt M16x140	Hex bar 50mm-66"
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M420610006	M103150135	M320080031
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M320080031	M320080032
18	9

18 M320080034 18 M320080034		
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	9	78

Hex bar 50mm-130" Hex bar 50mm-180"

Grease zerk

-- 2227-

Hex bar 50mm-90"

M320080034	M103090002	M109010004
48	9	20

IM 1090 10004	M109020004	M420680005
N	21	22

Felt seal Washer

1 Link arm	2 Top mast	
M420680005	M320100008	M103150109
22	23	

Top mast arm

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25	M103150098	-	ш
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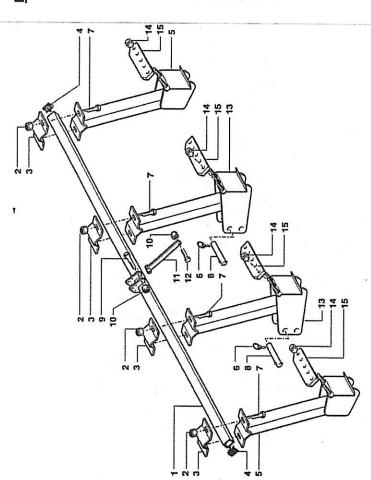
Bolt M14x100	Bolt M14x35	Split pin
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23	29	M420040002	_
24	30	M420090002	_
25	31	M103040034	7
Mark State	32	M103150112	_
	33	M320410002	_
	34	M103040014	_
	35	M420600002	-
25 Sec. 1	35	M420600007	-
_	36	M410610009	1
	37	M420490003	_
	38	M520130003	_
30 49-	39	M103150055	_
7//200	40	M320210006	_
	4	M320470004	_
29	42	M103040068	7
	43	M103150044	_
	44	M103040066	1
	45	M320770005	7
- 10	46	M103150101	7
th and	47	M420650009	1
- 53	47	M420650011	_
43	47	M420650015	_
A	47	M420650017	~

Part Number Qty. Description

Top link bracket Bolt M14x35 Center support Hitch pin Cat 2 Top tube Locknut M16 **Bolt M14x100** Clip pin Bolt M16x55 Clamp plate Plastic plug Locknut M14 Side support Qty. Description Clamp plate Nut M16 400000-0 Part Number M103040072 M350770012 M420610059 M103150128 M320560016 M103150109 M420680015 M103150098 M420610061 M103120007 M101070002 M103040070 M420610060 M330770006 No. - 2 c 4 c 9 c 8 c 6 t 5 t 5 t



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Chaincase half L.H FPSR	Chaincase half L.H FPSRXA
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M420554008	M420554010
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Oilseal 95x70x13	4	M109040022	7
Chaincase half L.H	-	M420554010	Ψ
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M103140034	M103140026

Bolt M8x70

Front shield support FPSRXA Front shield support FPSR Bolt M8x30 M420610008

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M420610034

Washer M8 Locknut M8

M103100006

M103040064 M320550004 4550 1 8 8 6 2 2

M420590003 M420400002

Dust cover FPSRXA

Dust cover

M320330005 M320330003

Gasket FPSRXA

Bearing 6014

Spacer

Gasket FPSR Center sweep

M104010018 M320210031 2

M320600007 13

Top sprocket 50mm

M320600006 M320600008 5 13

R

Bottom sprocet - FPSRXA Bottom sprocket 41mm

> M320090009 M420660011 4 5

M420660005 M103040014 5

Chainskid FPSRXA

Chainskid FPSR

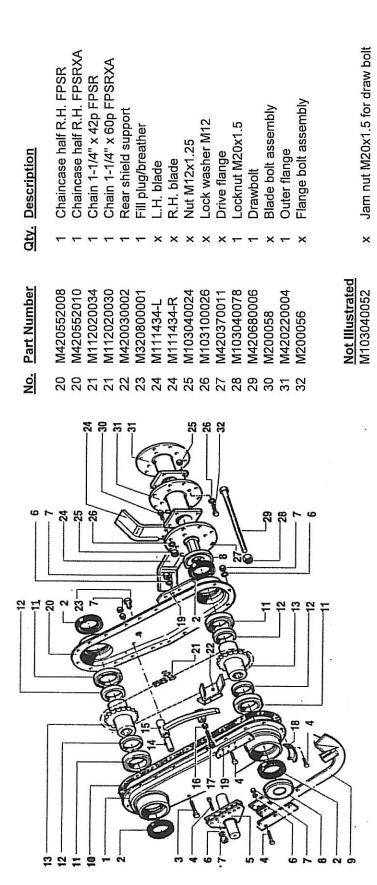
Bushing

Bolt M10x70 Nut M10 M103150200

M320620050 M320580002

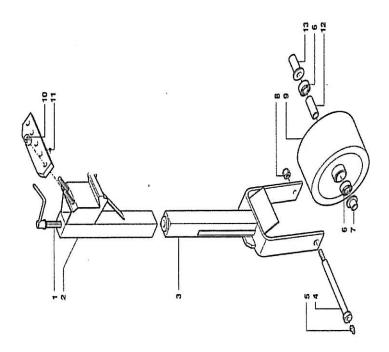
Chaincase protector (optional) Plate FPSR Plate FPSRXA

M320580088

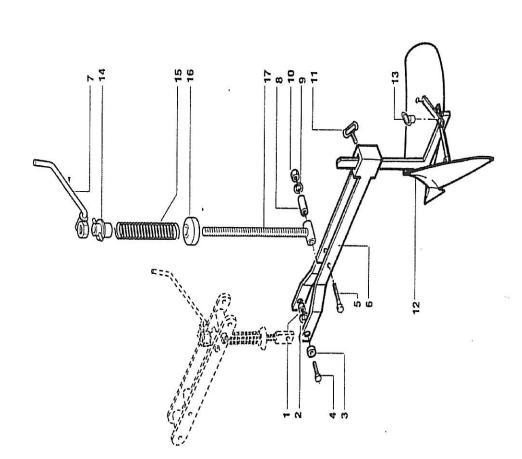


	NO	Part Number M420254005 M420254006	0tv.	Qty. Description1 Side shield medium - L.H.1 Side-shield wide - L.H.
25/	0 c 4	M103040014 M103100008 M103150034	====	Nut M10 Washer M10 Bolt M10x20
	. 6 5	M300620001 M103150005 M320620016	. 040	Plant guard Bolt M8x16 Side shield protector
7 \$7 (. ∞ o €	M300740001 M300470018 M103100006	1 2 2 4	Wedge pin Spring wire clip Washer M8
	1 2 2	M103040008 M420252005 M420252006	4	Nut M8 Side shield medium - R.H. Side shield wide - R.H.
	5 5 5 5	M420160005 M420160006 M420160007		Center shield narrow Center shield medium Center shield wide
<u></u>	4 4 4 £ £ £ £ 0	M320624036 M320624038 M320624040 M320622036 M320622038 M320622040		Trailing board narrow - L.H. Trailing board medium - L.H. Trailing board wide - L.H. Trailing board narrow - R.H. Trailing board medium - R.H. Trailing board wide - R.H. Extension shield

Qty. Description	Screw with handle	Upper support	Lower support	Axle	Grease zerk	Bearing 6205Z	Spacer	Locknut M16	Wheel HD	Nut M16	Clamp plate	Spacer	Spacer	
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No. Part Number	M500130004	M420610087	M420610089	M320560030	M103090002	M104010002	M420220010	M103040072	M420520002	M103040034	M330770006	M320210007	M420220009	
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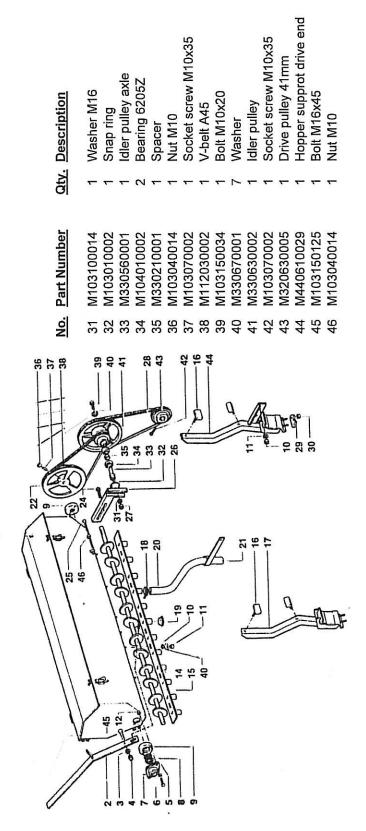
Qty. Description	Nut M12	Washer M12	Bushing	Bolt M12x35	Bolt M12x90	Bracket arm - FPSR	Bracket arm - FPSRXA	Handle with nut	Spacer	Washer M10	Nut M12	Special bolt	Ridger	Washer	Spring guide	Spring	Collar	Threaded rod - FPSR	Threaded rod - FPSRXA		Bracket set FPSR	Bracket set FPSRXA	Ridger assembly complete FPSR	Ridger assembly complete FPSRXA
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Part Number	M103040022	M103100010	M330090002	M103150072	M103150090	M440090006	M440090008	M520130003	M320210012	M103100010	M103040022	M440270001	M500230001	M440270002	M420490003	M320470004	M420120003	M440680003	M440680004	Not Illustrated	M540010006	M540010008	M540230008	M540230010
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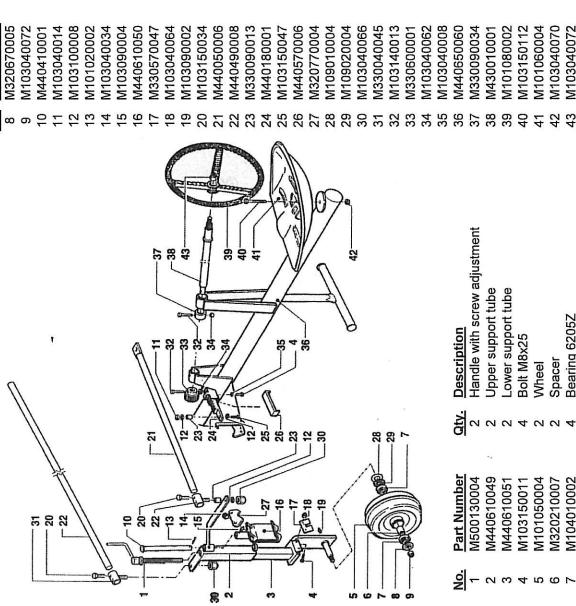


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	. Description	Hopper 40"	Hopper 60"	Hopper 80"	Shut off lever	Washer M16	Locknut M16	Washer M8	Bolt M8x35	Flange bearing	Felt seal	Bearing support	Bushing	Locknut M12	Nut M8	Agitator 40"	Agitator 60"	Agitator 80"	Slide regulator 40"	Slide regulator 60"	Slide regulator 80"	Mounting bolt	Hopper support arm	Hose clamp	Plug	Hose (order by foot)	Hose guide	Hopper pulley	Bolt M12x35	Bolt M10x70	Idler pulley support	Nut M16	V-belt A52	Clamp plate	Nut M16
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	Fart Number	M440140001	M440140002	M440140003	M440300001	M103100014	M103040072	M103100006	M103150017	M104040002	M109020004	M330250012	M330090045	M103040068	M103040008	M440310001	M440310002	M440310003	M440070001	M440070002	M440070003	M440640001	M440610028	M101090002	0	M114010008	M330580006	M330630001	M103150072	M103150200	M440610004	M103040034	M112030006	M320770004	M103040034
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Rack for pinion

Bushing

30lt M10x35

Bracket

Slide

Guide spring

Steering rod

Bolt M10x20

Grease zerk

Nut M8

Number	Otv.	Description
3670005	7	Washer
3040072	7	Nut M16
0410001	7	Pin

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LINGIED	320670005	03040072	F000 FF0 F

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Washer M10

Nut M10

Wheel scraper plate

Toolbar clamp

Grease zerk

Nut M16

Split pin

M430010001 M101080002

Lower support tube

Bolt M8x25

M103150011 M101050004 M320210007 M104010002

M440610051

Bearing 6205Z

Spacer Wheel

Steering wheel **Bolt M14x110**

Steering shaft

Bushing

Frame

Rod connection

Nut M10

Bolt M6x50

Nut M6 Nut M8

Pinion

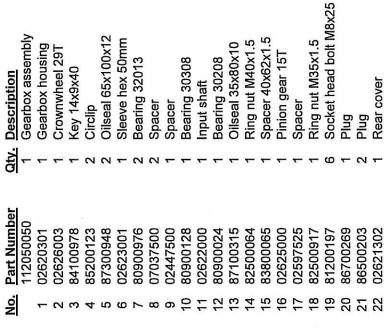
M103150112 W101060004 M103040070

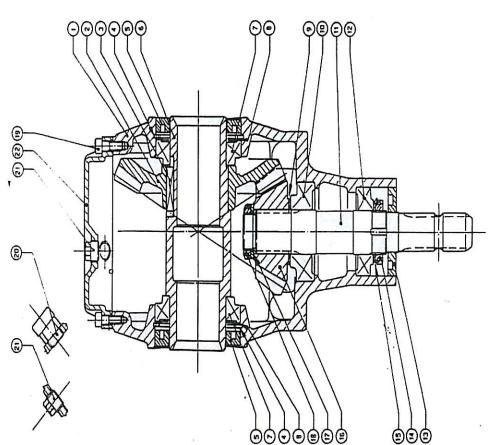
M103040072

Seat

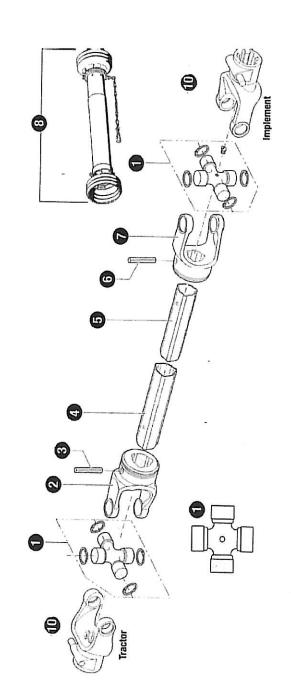
Nut M14

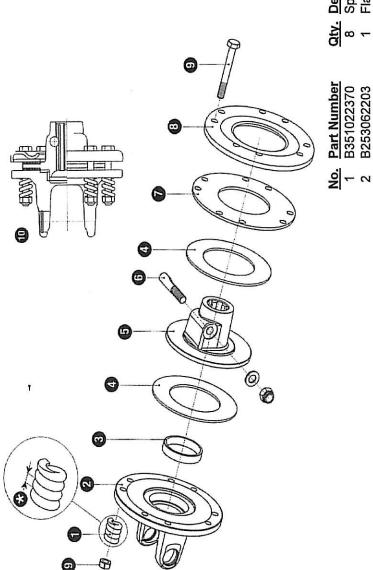
Nut M16





Description	Cross and bearing kit	Yoke-outer tube	Roll pin	Outer tube	Inner tube	Roll pin	Yoke-inner tube	Complete PTO guard	Yoke 540 RPM
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Part Number	B41206	B204066851	B34104200	B125121500	B125091500	B341043000	B204066852	B5F07071F7	B572060351
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Description	Spring	Flange yoke	Bushing	Friction disc	Drive hub	Pin kit	Drive plate	Thrust plate	Bolt & nut	Complete clutch assembly
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Part Number	B351022370	B253062203	B258005320	B247000054	B515200311	B408000060	B248220008	B248220007	B432000006	B639141001
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