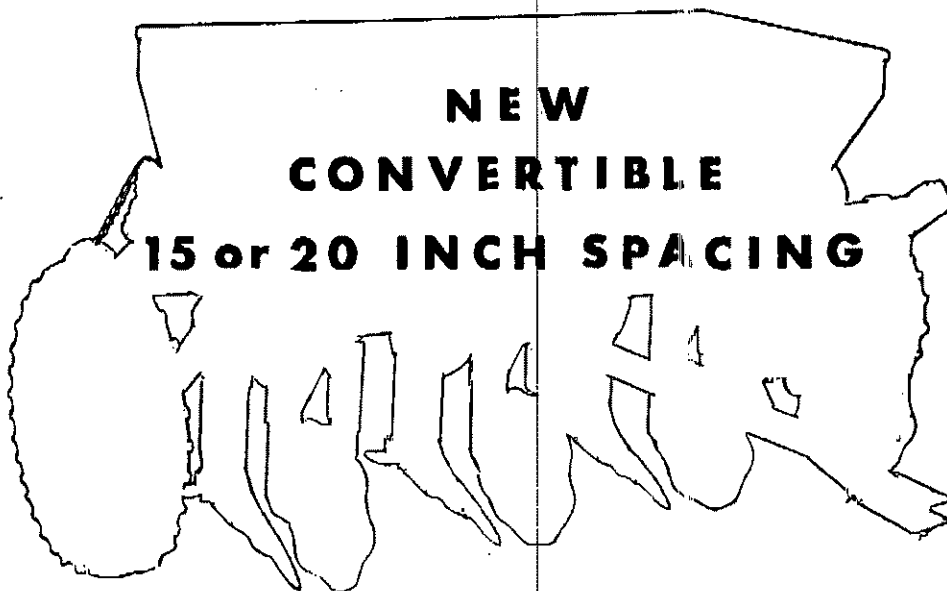


Pasture Dream®

SOD SEEDER

MODELS F-4, 5, 6 & 7

With Serial Number 21465 And Above



REVISED
November, 1966

AGRICULTURAL DIVISION

Taylor Machine Works

Louisville, Mississippi

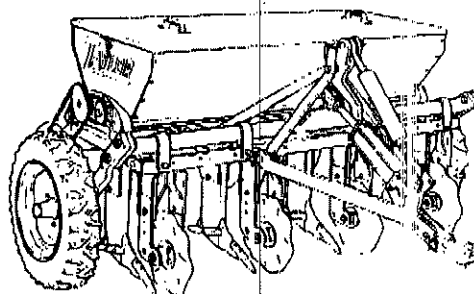
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In 1955 the improved F-1 and D-2 models replaced the DR and the FR. The F-1 is a 3-point lift implement, and the D-2 is a drawbar type. Both are of the same basic design. Among their new features are All Steel Safety Trip Boots, Timken bearing colters, Ezee-Flow type hoppers (with adjustable agitator shafts allowing the shaft to be raised without crushing large seed such as soybeans), and completely new frame with added strength.

Now we are introducing the new F-4, 5, 6, and 7 PASTURE DREAMS with 15" and 20" spacings. Their new features and attachments place them among the most versatile and most efficient implements developed since the beginning of mechanized farming. Some of these features are:

- (1) Taylor's patented Seal which pulverizes the soil, separates seed and fertilizer in the seedbed for better germination and faster growth
- (2) Automatic Cut-off for fertilizer and seed that varies with the weight of the machine
- (3) Longer Boots that penetrate better and shed easier
- (4) Positive Chain Drive from packer wheel
- (5) Tilt Back Hopper for easier cleaning
- (6) One basic machine fits all tractors -- It easily adapts to a 3-point hitch, or with the addition of wheels and tongue is converted into a drawbar machine.

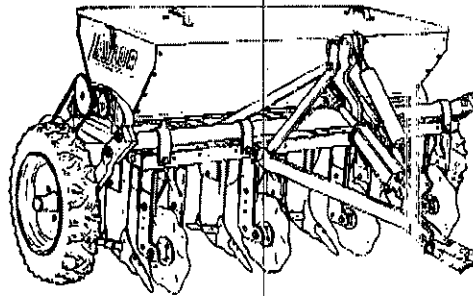
Success of the PASTURE DREAM method of planting depends upon three factors: Proper planting procedure, ample balanced fertilizer, and a sufficient quantity of seed.

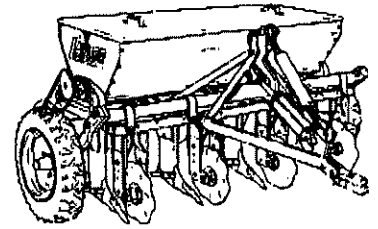
(1) To successfully interplant crops -- spring, summer, fall or winter -- the planted seed must be adapted to the season and sown at the proper time (just before or any time after dormancy). On pastures that have been grazed closely, or on drought-killed areas, planting can be done earlier. Planting can also be done with seed that will grow as a companion to the existing sod. Areas that have been badly damaged by overgrazing can be reseeded. If interplanting is done in growing sod, the sod will take up the fertilizer and good results cannot be expected. Do not plant too deep; three to four inches will give the best results in all but exceptionally heavy soil types.

(2) Have your soil tested to determine its fertilizer needs. For quick and abundant growth, use ample balanced fertilizer at the time of planting, then top dress.

(3) Use a sufficient quantity of seed. Use the same quantity of seed as recommended for broadcasting or grain drill seeding. See Chart.

The key to any successful grazing program is controlled grazing. Give plants time to acquire sufficient growth before grazing, and allow the plants time to fully recover after grazing by moving the cattle to another area. By planning your program, by planting enough, by controlled grazing, and by planting with the PASTURE DREAM (at about one-half the cost of broadcast planting plus saving sod), you have at your command the cheapest and easiest method of creating good pastures. Use your PASTURE DREAM to pave the way to a more profitable cattle feeding program!





QUESTIONS AND ANSWERS

- Q. What happens when the boot of the PASTURE DREAM strikes an underground obstruction?
- A. The new PASTURE DREAM models have all steel safety trip boots which will shear a single replaceable pin when tripped by an obstruction.
- Q. Is the new PASTURE DREAM frame any stronger than the "F1" and "D-2"?
- A. Yes. The frame has been completely re-designed for added strength.
- Q. What type seed and fertilizer hoppers are used on the PASTURE DREAM?
- A. Ezee Flow type hoppers. The front, or fertilizer hopper, will handle any type commercial fertilizer. The rear, or seed hopper, will handle seed in the size range of ryegrass to soybeans.
- Q. Can the hopper agitator shaft be adjusted up or down to keep from cracking seed such as soybeans?
- A. Yes. See adjustment and operating instructions.
- Q. What is needed to plant bermuda, clovers, and other small seed?
- A. When these seed are not planted in a mixture with larger seed, a CS-2 Small Seed Attachment must be used.
- Q. Do Experiment Stations recommend band seeding or broadcasting?
- A. Experiment Stations have found that band seeding gives better results and is effective on more crops than broadcasting.
- Q. Can Sudan and Millet be planted with this tool, and can the same amount of grazing be obtained as with the broadcast method?
- A. Yes. It has been proven that if the same amount of fertilizer is used, rows yield more tonnage per acre than broadcasting.
- Q. Is it possible to plant oats, wheat, ryegrass, or a mixture of these two early in the fall?
- A. Yes. By using the removable sod spreader wing attachment, the existing sod can be removed from the seed bed.
- Q. On what crop land can cereals or grasses be planted for early winter grazing?

- A. As soon as corn is pulled, oats or wheat can be planted, or a mixture, for early grazing without breaking the land. The same can be planted following cotton picking. On hillsides, plantings of oats or wheat can be made after the first picking of cotton. By following this procedure, cows can be turned in for grazing after the last cotton has been picked.
- Q. Why should cereals be planted in regular sod after the first frost?
- A. To prevent the existing grass from choking out the new growth.
- Q. Can lespedeza and Dallis be planted with this tool on new land or on old thinned out sod?
- A. Yes. Dallis and Lespedeza can be mixed in one hopper, fertilizer can be put in the other, and bermuda can be put in the small seed compartment. This makes it possible to fertilize and plant all three kinds of seed at the same time.
- Q. What is the advantage of utilizing the packer wheel when planting small seed?
- A. The packer wheel embeds the seed at the proper depth for best germination.
- Q. Can the PASTURE DREAM be used to fertilize for such crops as cotton or corn?
- A. It can be used for seed bed fertilization prior to planting and for side dressing after planting. Boots can be rearranged for proper row centers.
- Q. Can wild winter peas be planted in Bermuda, Fescue, or Johnson grass using the PASTURE DREAM, and are the results as satisfactory as those obtained by broadcasting?
- A. It has been established that winter peas grow much better when planted and covered. This implement makes it possible to prepare and plant a seedbed, without damaging the existing grass.
- Q. Using the PASTURE DREAM, is it possible to plant oats, crimson, or a mixture of oats, crimson and ryegrass without damaging the broomsedge sod?
- A. Yes.
- Q. Can this tool be used to plant oats, ryegrass, or a mixture of both on receding crimson clover areas?
- A. Yes, in fact, it can also be used to plant in sods of Bermuda, volunteering wild winter peas, or Johnson grass.
- Q. In the Spring, can Johnson grass be renovated and fertilized at the same time?
- A. Yes. As the Johnson grass root is broken, two plants are made in the place of one. This operation should be done before the growth period.

Q. Are fertilizer and seed mixed together when planted?

A. No, the PASTURE DREAM is improved with a seal, which separates the fertilizer from the seed.

Q. Has the machine any advantage in fertilizing only?

A. Yes, tests by experiment stations prove that the fertilizer placed at grass root depth, and on 20" rows will produce much greater results than by conventional broadcasting.

Q. How deep does the furrow opener operate?

A. The depth of operation is adjustable. The recommended depth is three to four inches.

Q. Can planting be done at any time and in any soil condition?

A. No, avoid planting when the soil is too wet to be tillable. Planting with a PASTURE DREAM, as with any other method, achieves the best results when soil conditions are right for germination and growth.

Q. What are some advantages of the PASTURE DREAM method of Sod Seeding and Fertilization?

- A.
1. The existing sod is not destroyed.
 2. Since no preparation is necessary, the cost of putting in winter grain or legume is reduced.
 3. Steers grazed on cereals and legumes planted in sod do not bog in wet weather.
 4. Trenches made by the PASTURE DREAM collect rains.
 5. Bloating can be controlled by interplanting oats or other cereal crops in clover pastures.
 6. For summer grazing, sudan, millet, etc., can be planted immediately following the harvest of oats or wheat.
 7. Fertilizer placed in the root zone or below is more beneficial than the same amount spread on the surface of the soil.
 8. One trip over a field with the PASTURE DREAM
 - (A) Puts down fertilizer below the seed
 - (B) Plants small grain, grasses, or legumes
 - (C) Plants clover or small seed by adding the CS-2, small seed attachment. This attachment can be used while planting small grain, legumes or grasses, above or at the same depth.
 9. Production is equal to that of conventional planting (Ref. Mississippi State Bulletin 505 "Seeding in Permanent Pasture").
 10. It can be used for planting and fertilizing on prepared ground.

Q. What are the distinctive features of the Pasture Dream Sod Seeder?

1. Simplicity of design.
2. Easy accessibility of hoppers.
3. Tilt back hoppers for easy cleaning.
4. Will operate in any tillable soil, even if dry and hard.
5. Packer wheel works out air pockets and firms seedbed for quicker germination.
6. Four models to choose from. The F-4 and F-5 for 80" coverage, the F-6 for 120" and the F-7 for 105" coverage.
7. Boot spacings are on 15" or 20" centers. (10" spacings can be obtained by special order.)
8. Safety Trip Boot, just one cotter key to replace.
9. New simple seed depth control device.
10. Heavier frame.
11. Larger and stronger hoppers.
12. Hard surface removable boot points.
13. Zig-zag colter which opens a wider furrow.
14. The Taylor patented seal which separates the fertilizer and seed.

IDEAL GRAZING HEIGHT OF PASTURE PLANTS

Oats, wheat, or other cereals	6 to 10 inches
Ryegrass	6 inches
Old Fescue	6 inches
New Fescue Plantings	8 inches
White Clover	4 to 6 inches
Hop Clover	4 to 6 inches
Red Clover	8 inches
Lespedeza, alone	10 inches
Crimson Clover	6 inches
Bermuda Grass	4 to 6 inches
Dallis	6 to 8 inches
Mixture of grass and clover	6 to 10 inches
Sericea Lespedeza	8 to 10 inches
Carpet Grass	4 to 6 inches

SPECIFICATIONS**MODEL F-4, F-5 AND DF-4, DF-5 PASTURE DREAM SPECIFICATIONS****OVERALL DIMENSIONS:**

Width:	F-4 & F-5.....	72"
	DF-4 & DF-5.....	84"
Height:	F-4, F-5 and DF-4, DF-5	44"
Length:	F-4 & F-5	58"
	DF-4, DF-5 (Less Tongue).....	58"
	DF-4, DF-5 (With Tongue).....	94"
	Wheel Centers (DF-4 Only)	80"

WEIGHT: (Empty)

F-4	1,000 Lbs.
F-5	1,157 Lbs.
DF-4, DF-5 Kit (Includes tires, cylinder & hose)	300 Lbs.
DF-4, DF-5 Kit (Less Tires).....	265 Lbs.
DF-4 Cylinder and Hose	35 Lbs.
DF-4 Complete	1,300 Lbs.
DF-5 Complete.....	1,437 Lbs.
CS-2 (F-4 & DF-4) Small Seeder	55 Lbs.
CS-2 (F-5 & DF-5) Small Seeder.....	63 Lbs.

BOOT SPACINGS:

Standard F-4	20"
Standard F-5	15"
Optional	10", 30" and 40"

PLANTING DEPTH:

Variable	0" to 10"
----------------	-----------

OPERATING SPEED: 3 to 5 mph (Approx.)

HOPPER CAPACITY:

Fertilizer Section	550 Lbs.
Seed Section	6 Bushels
CS-2 Small Seeder	50 Lbs.

HOPPER AGITATORS: Ezee Flow

General Specifications (Continued)DRIVERoller ChainCOLTER: Dico Bearing EquippedBOOTS: Welded Steel Plate
(Shear Pin Trip)INCISOR POINTS:

Manganese point: hard surfaced for abrasion resistance and long life

CONTROL:

Seed and fertilizer flow is automatically shut-off when machine is lifted from the ground, and is started when the machine is lowered. This is standard on all Pasture Dream Sod Seeders.

TRACTOR REQUIREMENTS: The Model F-4, F-5, F-6 and F-7 are standard 3-point lift type machines and can be used with any tractor having a 3-point lift system. Tractor weight is important and front wheel weights are desirable for light tractors.

The Model DF-4, DF-5, DF-6, and DF-7 are drawbar type machines. The horsepower requirements will vary depending on the soil type. Tractor must be equipped with hydraulic system connections for remote control cylinder. A standard 3" x 8" cylinder is furnished with the DF-4 and DF-5. The DF-6 and DF-7 use 4" x 8" cylinder, also furnished.

BOOT: The PASTURE DREAM boot has been lengthened for deep placement of fertilizer. No wrenches are needed to reset the redesigned trip arrangement; simply raise machine and replace 5/16" cotterkey.HOPPER: Ezee-Flow Seed Section is adjustable for seed in size range of ryegrass to large soybean. A CS-2 Small Seed Attachment is necessary if clover or Bermuda are to be planted alone.

The fertilizer section handles any commercial dry fertilizer.

SEED & FERTILIZER ADJUSTMENT: Redesigned adjustment on hopper control can be adjusted separately. See instructions in operator's manual.HOPPER COVER: Standard equipment on all PASTURE DREAMS.SEED & FERTILIZER PLACEMENT: Fertilizer is loaded in the front hopper and seed in the rear. This arrangement places the fertilizer on the bottom of the furrow and the seed in a layer of soil above and separate from the fertilizer.TIRES: Any 14" or 15" tire with rim to fit hub used on DF-4, DF-5, DF-6, DF-7.

SPECIFICATIONS**MODEL F-6 & 7 AND DF-6 & 7 PASTURE DREAM SPECIFICATIONS****OVERALL DIMENSIONS:**

Width:	F-6 & 7	124"
	DF-6 & 7	136"
Height:	F-6 & 7 and DF-6 & 7	44"
Length:	F-6 & 7	60"
	DF-6 & 7 (Less Tongue)	60"
	DF-6 & 7 (With Tongue)	104"
	Wheel Centers (DF-6 & 7 Only)	117"

WEIGHT: (Empty)

F-6 & 7	1735 lbs.
DF-6 & 7 Kit (Includes Tires, Cylinder & Hose)	450 lbs.
DF-6 & 7 Kit (Less Tires)	415 lbs.
DF-6 & 7 Cylinder and Hose	45 lbs.
DF-6 & 7 Complete	2185 lbs.
CS-2, F6 & DF6 Small Seeder	80 lbs.
CS-2, F7 & DF7 Small Seeder	88 lbs.

BOOT SPACINGS:

Standard F-6	20"
Standard F-7	15"
Optional	10", 30" and 40"

PLANTING DEPTH:

Variable	0" to 10"
----------------	-----------

<u>OPERATING SPEED:</u>	3 to 5 mph (Approx.)
--------------------------------------	----------------------

HOPPER CAPACITY:

Fertilizer Section	835 lbs.
Seed Section	9 bus.
CS-2 Small Seeder	75 lbs.

General Specifications (Continued)

HOPPER AGITATORS: Ezee Flow

DRIVE: Roller Chain

COLTER: Dico Bearing Equipped


BOOTS: Welded Steel Plate
(Shear Pin Trip)

INCISOR POINTS:

Maganese point: hard surfaced for abrasion resistance and long life


CONTROL:

Seed and Fertilizer flow is automatically shut off when machine is lifted from the ground, and is started when the machine is lowered. This is standard on all Pasture Dream Sod Seeders.

 Seed Rate Table In Pounds per Acre on 15 and 20 Inch Spacings For All Pasture Dream Models Set Up For Four Miles per Hour TAYLOR PASTURE DREAM		SHUTTER BAR SETTINGS															
		1		2		3		4		5		6		7		8	
		F4 F6	F5 F7	F4 F6	F5 F7	F4 F6	F5 F7	F4 F6	F5 F7	F4 F6	F5 F7	F4 F6	F5 F7	F4 F6	F5 F7	F4 F6	F5 F7
Barley						50	63	100	125	192	300	316	395				
Birdfoot Trefoil		13	16	38	48												
Kentucky Blue Grass		3	4	8	10	15	19	50	63								
Brome Grass						3	4	10	14	20	28	40	56	80	112	160	200
Carpet Grass		5	7	15	19	30	42	90	126	150	188	300	376				
Crested Wheat Grass						10	14	35	44	50	63	100	125				
Dallis Grass		2	2.5	5	7	15	19	40	56	80	112	160	200				
Fescue Meadow				8	10	15	19	50	63	100	125						
Lespedeza Korean		10	14	15	19	27	34	55	66								
Lespedeza Sericea		28	35	53	63												
Melilotus Indica		15	19	40	56	80	112	250	313								
Millet Pearl		13	16	30	42	50	63	100	125								
Millet Cattail		10	14	35	44												
Milo		10	14	28	35	50	63	100	125								
Oats				8	10	15	19	30	44	64	80	128	160	180	225	250	313
Orchard Grass						10	14	30	44	54	66						
Rape Essex Dwarf		10	14	30	42												
Rye Grass Common				10	14	18	24	60	84								
Rye Grass Perennial				8	10	13	16	40	56	72	90						
Sudan Grass Sweet		8	10	20	28	38	53	70	88								
Soybeans		15	19	30	42	60	84										
Weeping Love Grass		28	35	60	84												
Wheat		20	28	40	56	80	112	140	175	240	300	280	350				

Notes: If forward speed is cut in half, you put out twice as much per acre
 If forward speed is twice as fast, you put out half as much per acre

30-Inch Spacings, 3/5 as much
 This chart used with all Pasture Dreams above Serial #21465

 Fertilizer Rate Table In Pounds per Acre on 15 and 20 Inch Spacings For All Pasture Dream Models Set Up For Four Miles per Hour TAYLOR PASTURE DREAM		SHUTTER BAR SETTINGS											
		1		2		3		4		5		6	
		F4 F6	F5 F7	F4 F6	F5 F7	F4 F6	F5 F7	F4 F6	F5 F7	F4 F6	F5 F7	F4 F6	F5 F7
Ammonium Nitrate		50	65	125	156	250	313	400	375				
Cyanamid				75	95	100	125	200	250	400	375		
Mixed Fertilizer				75	95	150	188	250	313	500	500	1070	750
Muriate of Potash		50	65	125	156	250	313						
Nitrate of Soda				75	95	150	188	300	375	600	625	1200	875
Phosphates (Cal Meta)		75	95	100	125	180	225	350	437				
Phosphate Super				100	125	175	215	325	405	500	625		
Slag, Basic				125	156	275	334	475	594	800	625	1500	975

This Chart Used with All Pasture Dreams Above Serial Number 21465

CS-2 SMALL SEEDER ATTACHMENT FEED RATE CHART
 for Models F1, D2, A60DS, and A 80DS, F4, F5, F6 & F7
 with Four or Five Discharge Outlets.
 For 6 or 7 Outlets, Increase 60%

SEED NAME	General Recommended Pounds Per Acre	Indicator Settings in Approximate Pounds of Seed per Acre															
		8	7 3/4	7 1/2	7 1/4	7	6 3/4	6 1/2	6 1/4	6	5 3/4	5 1/2	5 1/4	5	4 3/4	4 1/2	4 1/4
Alfalfa	20							26		24							
Clover, Alsike	6																
Clover, Black Medic	4																
Clover, Ladino	2																
Clover, Medium Red	14																
Clover, White	4																
Clover, Crimson	20																
Fescue, Kentucky 31	10																
Bermuda (Hulled)	6																
Lespedeza, Korson	6																
Lespedeza, Sericea	35																
Timothy	5																
Trefoil, Birdsfoot	5																

Use Pasture Dream Hopper

9 1/2

8 1/4

7

6

5

4 3/4

3 3/4

2 1/2

2

1 1/2

1 1/4

1

3/4

2/3

2/4

1/2

1/4

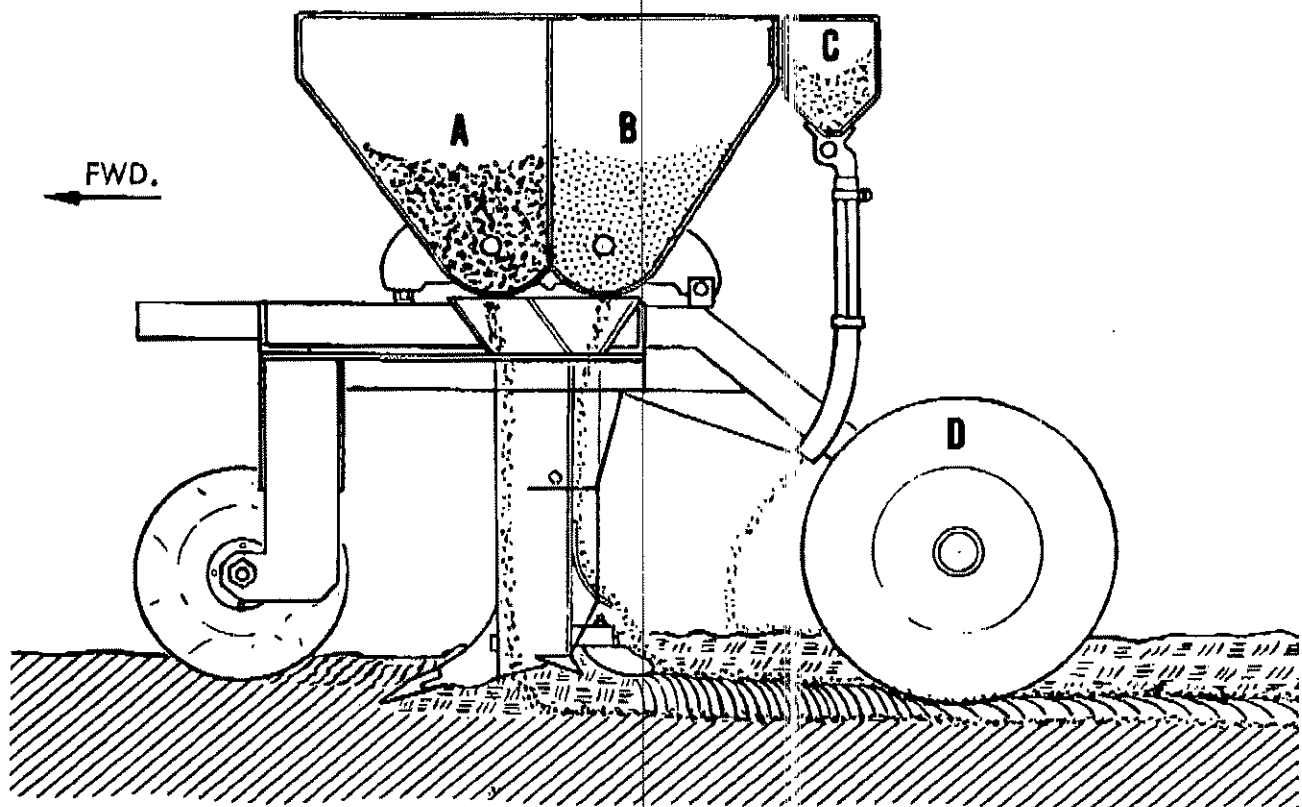
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**SEEDING RATES AND APPROXIMATE PLANTING DATES OF CROPS
TO BE PLANTED WITH PASTURE DREAM**

CROPS	SEEDING DATE	SEEDING RATE (Per Acre)
White Clover	September or October	3 to 5 pounds
Crimson Clover	September or October	20 pounds
Red Clover	September or October	12 to 15 pounds
Alfalfa	September or October	20 to 25 pounds
Black Medic	September or October	3 pounds
Vetch	September or October	25 pounds
Winter Peas	September or October	30 to 35 pounds
Oats	October	100 pounds
Ryegrass	September or October	25 to 35 pounds
Bermuda	March or April	3 to 5 pounds
Dallis Grass	March or April	15 pounds
Lespedeza	March or April	15 to 25 pounds
Bahia	March or April	15 pounds
Sudan or Millet	May, June, July	15 to 25 pounds
Soybeans	May or June	45 to 60 pounds
Johnson Grass	April or May	20 pounds
Sorghum - Grain or Sweet	May or June	6 to 8 pounds
Fescue	September or October	10 pounds
Rescue	September or October	35 pounds
Sericea Lespedeza	April	35 pounds

Pasture Dream Operating Method

- A Fertilizer
- B Seed (Oats, Wheat, Ryegrass, Etc.)
- C Small Seed (Clover, Etc.
- D Packing Roller



SOIL INCISIONS USING VARIOUS BOOT ARRANGEMENTS

- FIG. 1** Soil shown after using spreader wings and pulverizing seal. This makes planting seed in heavy sod possible. The spreader wings set back the competition and give the seed a chance to germinate.
- FIG. 2** Soil shown after using seal only. This arrangement is suitable for use where existing sod is not too heavy, but where the soil is hard enough to require a prepared seedbed.
- FIG. 3** In FIG. 3 the soil is shown after using neither spreader wings nor seal. This arrangement is good for planting in loose or sandy soil or planting on a prepared seedbed. It is also good for applying fertilizer.

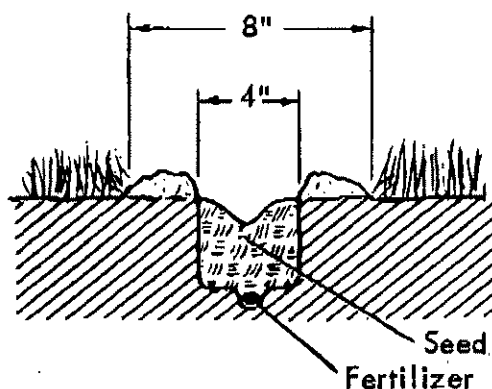


FIG. 1 Using Spreader Wings and Pulverizing Seal

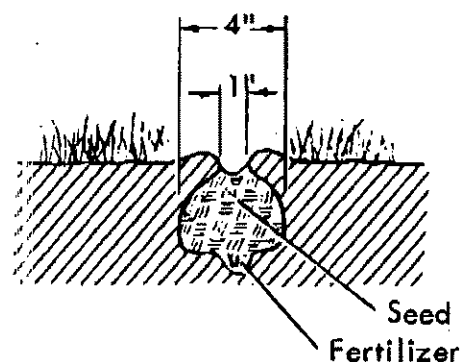


FIG. 2 Using Seal Only

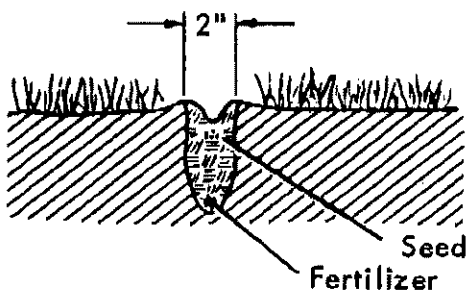


FIG. 3 Using No Spreader or Seal



Pulverizing Seal

The pulverizing seal has three (3) purposes.

1. Separation of seed and fertilizer.
2. Prepares wider seedbed.
3. Cuts root of competition.

Always use the pulverizing seal when planting seed.

INSTRUCTIONS FOR SETTING UP AND OPERATING THE TAYLOR PASTURE DREAM

Please Read And Follow These Instructions Carefully

1. Install Packer Axle to under side of hopper angle with bearings mounted in front slotted holes, and drive sprocket on right hand side of machine. (Fig. 1)

DO NOT TIGHTEN BOLTS

2. Remove rivet from automatic shut-off linkage. (Fig. 2)
3. Tilt Hopper back. (Fig. 3 - 1)
4. Remove shutter shut-off bar. (Fig. 3 - 2)
5. Slide shutters to side and take out. (Fig. 3 - 3)
6. Remove excess paint from shutter bars.
7. Coat bars with grease and replace in hopper.
8. Install drive chain.
9. Tilt hopper forward to working position.
10. Adjust chain and tighten packer bearing bolts. (Fig. 1)
11. Connect shut-off linkage to shut-off lever. Be sure that rivet is placed in the middle hole of front clevis. (Fig. 2)
12. Operate shut-off lever by hand. Be sure that shutters open and close freely: to make shutters open, screw in on hopper adjustment set screw.
13. Attach machine to 3-point hitch or drawbar.
14. Lift machine to carry position.
15. Screw depth control set screw on underside of hopper angle all the way up. (Fig 4)
16. Lower machine. With packer wheel and boot points touching ground adjust turnbuckle or top link so that automatic shut-off lever is in the open position, pivoted all the way backward.
17. Start machine: with tractor 3-point hitch or cylinder in a float position. The top link holds up the front of the machine.
18. Adjust down on depth control set screw until desired boot depth is obtained, secure jam nut on set screw. (approximately 4" is recommended boot running depth) (See Fig. 4)
19. Adjust depth control set screw or top link more if necessary. Machine should run as near level as possible.
20. Read Instruction Manual sent with this machine.

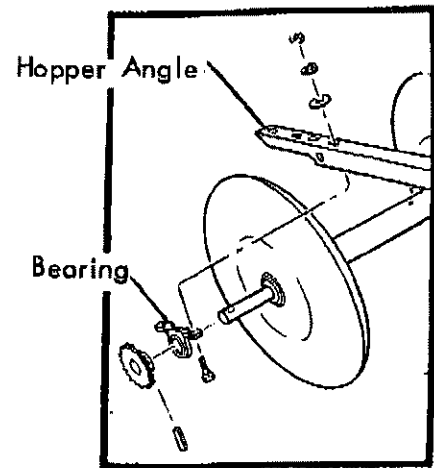


Fig.1

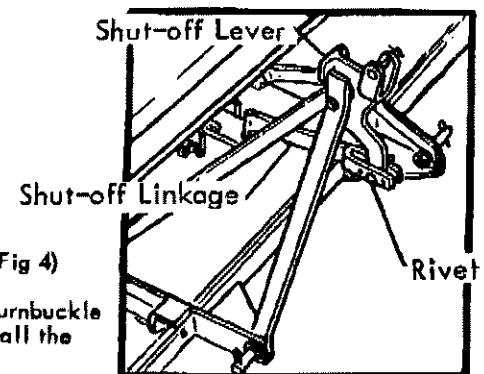


Fig.2

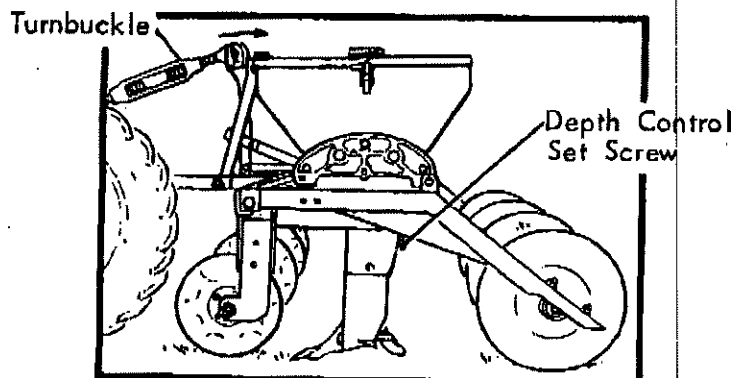


Fig.4

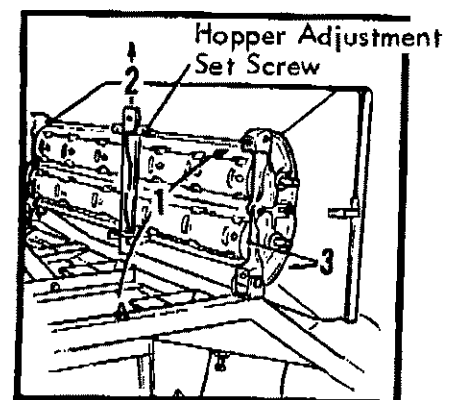


Fig.3

SET-UP INSTRUCTIONS

IMPORTANT NOTICE TO DEALER: Unless specified on the order, all Pasture Dreams will be shipped uncrated. A packing list is attached to each shipment. Check this list before signing any freight bill. Also, check implement carefully for missing or damaged parts. If any shortage or damage occurs, do not sign freight bill until you have written in the shortage or damage on the face of the Bill of Lading. Be sure this is in duplicate. Keep one copy signed by the delivering carrier. This is for your protection in filing a claim.

The Models F-4, F-5, F-6 and F-7 are shipped in almost "ready to use" condition. The packer wheel assembly and drive chains are shipped separately and must be installed before the machine can be used. **NOTE:** In all installations on any 3-point lift tractor it is necessary to have a quick adjustable top link. (Fig. 1) Most tractor manufacturers furnish this as standard equipment. If you do not have this part, see your dealer.

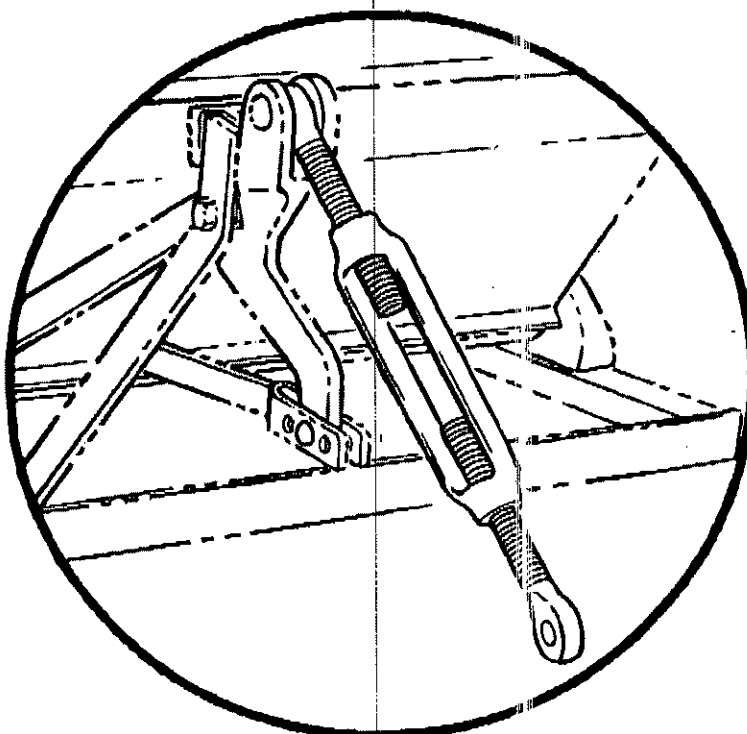
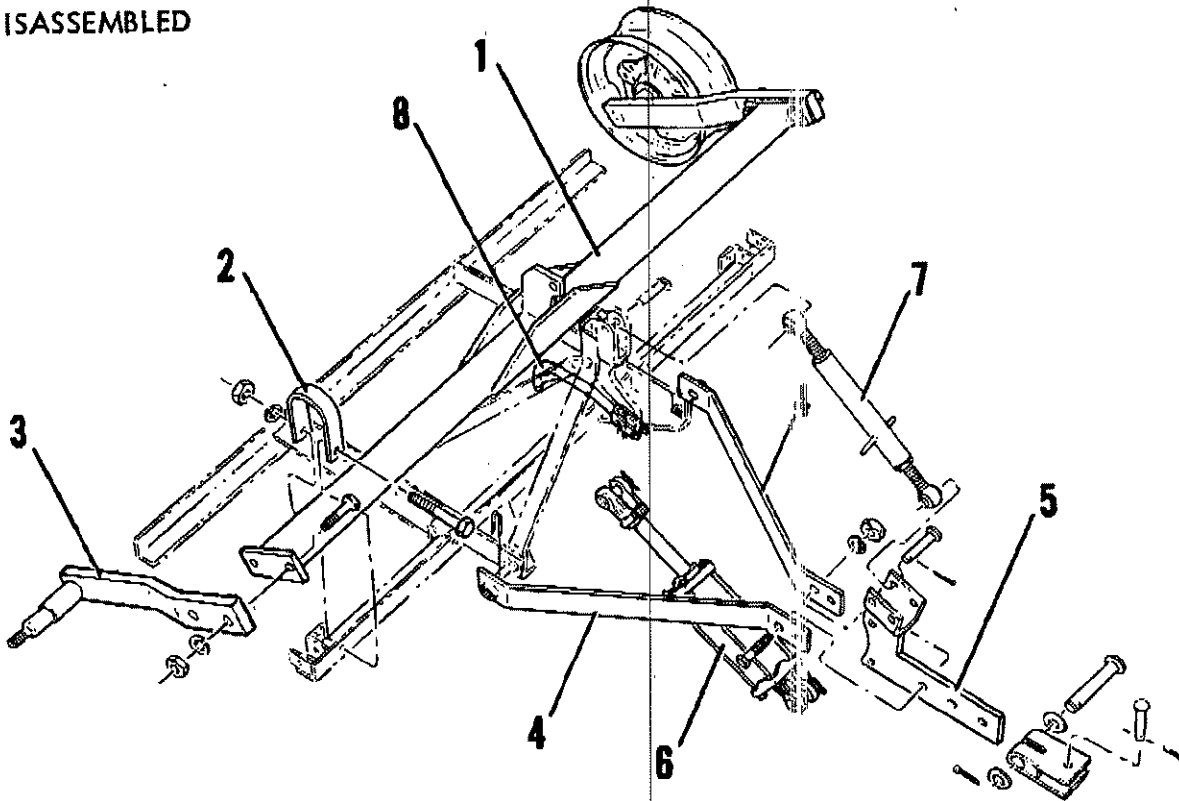


Fig. 1

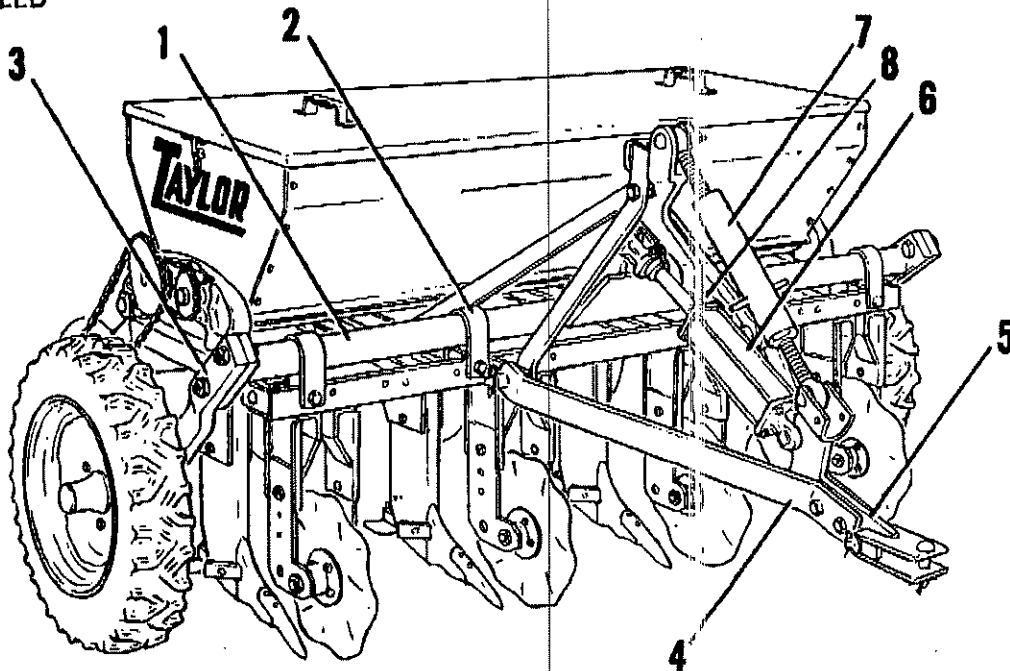
The DF-4, DF-5, DF-6 and DF-7 Conversion Kit is also shipped separately. This kit includes hubs, wheel arms, axle, drawbar, adjusting top link, cylinder and all nuts, bolts, etc. needed to convert the F-4, F-5, F-6, and F-7 to the DF-4, DF-5, DF-6 and DF-7 drawbar pulled machine. See illustration.

INSTALLATION INSTRUCTIONS FOR DF-4, DF-5, DF-6 & DF-7 CONVERSION KIT

DISASSEMBLED



ASSEMBLED

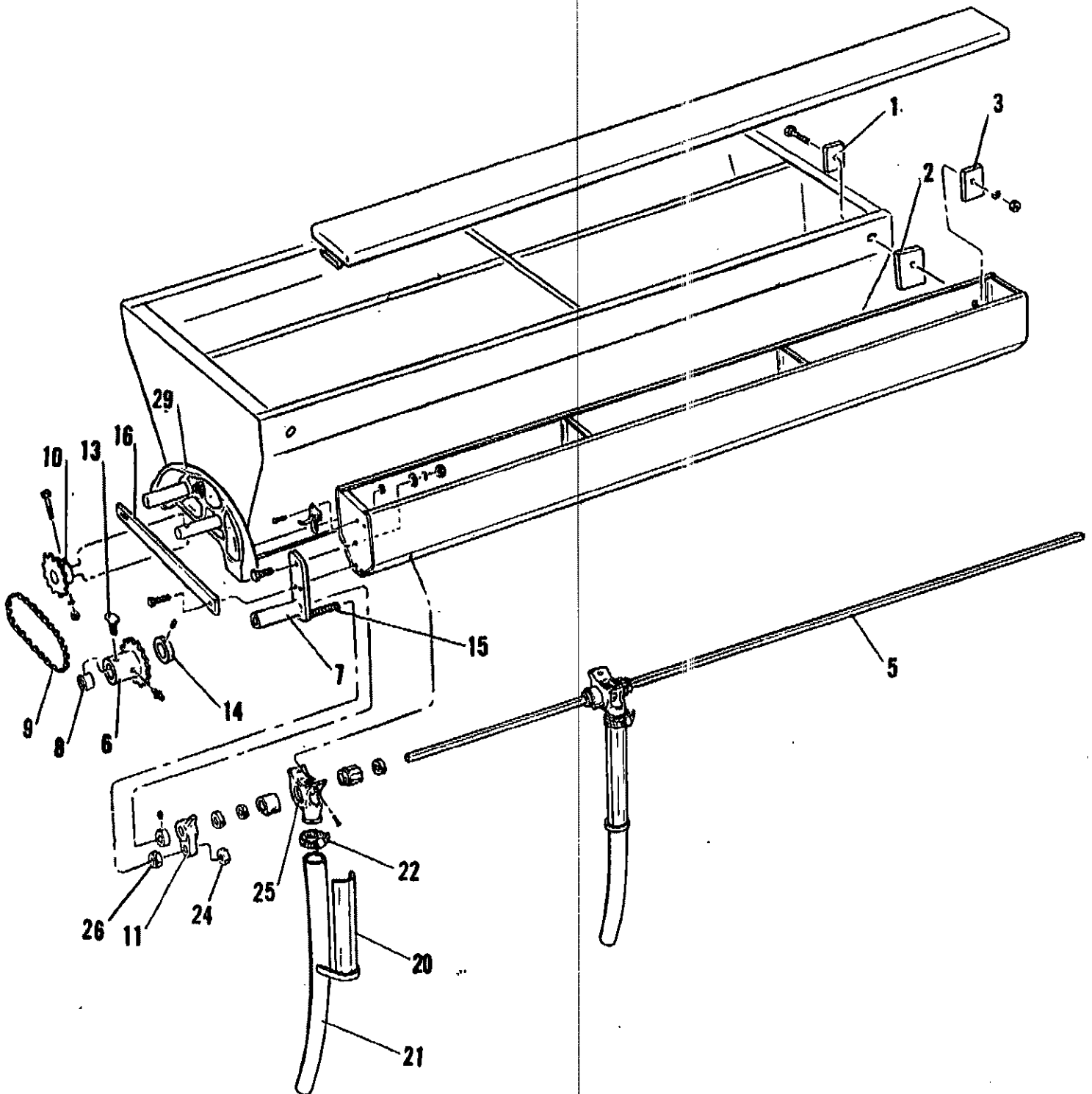


INSTRUCTIONS FOR INSTALLING CONVERSION KIT

The F-4, F-5, F-6 and F-7 lift type machine can easily be converted to the DF-4, DF-5, DF-6, and DF-7 drawbar type with the use of the conversion kit. The kit includes all necessary parts to make the change, excluding tires and tubes.

- A. Bolt Axle Assembly (1) to frame using four axle anchors (2), 5/8" x 4-1/2" or 5/8" x 6" Std. Bolts, 5/8" Lockwashers and 5/8" Std. Nuts.
- B. Bolt axle arm and hub assembly (3) to axle assembly (1), using 7/8" x 3-1/2" HCHT Bolt, 7/8" Lockwasher, & 7/8" Nut. The axle arm assembly and hub assembly are shipped as one item. The wheels or rims are included in this assembly. Tires are not standard with this kit, but any standard tire may be used.
- C. Attach tongue side arms (4) to hitch pins, bolt hitch assembly (5) between side arms using two 3/4" x 3" or 3/4" x 3-1/2" Std. Bolts, 3/4" Lockwashers and 3/4" Nut.
- D. Attach cylinder (6) to hitch assembly (5). There are two holes in the hitch assembly. Attach cylinder to top hole for low drawbar tractors and bottom hole for high drawbars. Attach other end of cylinder to anchor on axle assembly (1) using cylinder pins and clips furnished in kit.
- E. Attach adjustable top link (7) to hitch assembly (5) in hole to correspond with cylinder (Bottom hole for high drawbars, top hole for low drawbars.) Attach other end to automatic shut-off lever. Two 3/4" x 3-1/2" rivets and two 1/4" x 2-1/2" cotterkeys are used.
- F. Replace standard shut-off linkage, by removing cotter key and rivet, with new type furnished in kit.

CS-2 SEEDER
DISASSEMBLED



CS-2 SEEDER**INSTRUCTIONS FOR INSTALLING THE SMALL SEED ATTACHMENT**

1. Remove the two hopper plugs at the outer edge of the large hopper. Insert bolts thru mounting plate No. 1 as illustrated. Pass bolts thru holes provided in hopper, then thru mounting spacer No. 2. Lift small seed hopper into place and pass bolts thru holes. Install mounting plate No. 3 on bolts, add lock washers and nuts, tighten securely.
2. Attach stabilizer bar No. 16. Use bolt on sprocket holder assembly No. 7 and upper center nut of hopper bracket No. 19.
3. Install sprocket No. 10 on stub end of left-hand rear hopper shaft.
4. Install chain No. 9 from sprocket No. 10 to the sprocket on small seed hopper No. 6.
5. Connect seeder hose No. 21 to each feed housing assembly No. 25 on seeder shaft No. 5.
6. Slip on hose clamps No. 22 and hold at upper end of hose.
7. Insert hose stiffener assembly No. 20 between hose and hose clamp.
8. Tighten hose clamp, securing stiffener and hose to feed housing. Stiffener may be bent for adjustment as needed.
9. Set seed rate per chart inside hopper cover. To adjust the setting of the seed feed rate, back off nuts Nos. 24 and 26 on the adjusting screw No. 15; set the pointer No. 11 at the desired pound rate selected from the chart; then tighten nuts against pointer. Chart rates are approximate. Check accuracy on 1/4 acre.
10. To disengage seeder feed roll shaft, remove thumb screw No. 13 at sprocket end of shaft; remove sprocket #6, bushing #8 and chain #9 and store in small seed hopper for future use.

INSTALLATION OF SOD SPREADER WINGS AND PULVERIZING SEAL

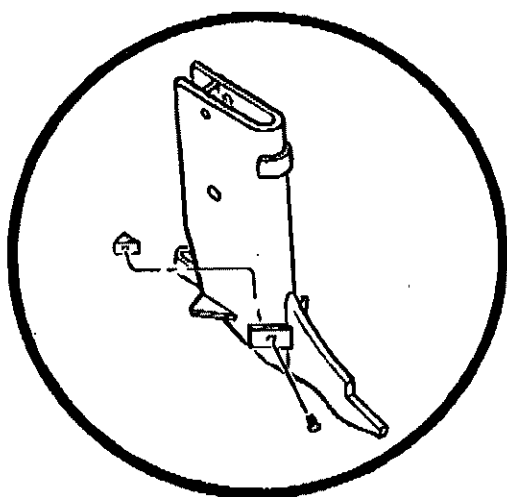


FIG. 1 To install sod spreader wings, insert wing into hole provided in boot nose. Place reinforcement behind wing and bolt using 3/8" Allen head set screws. (There are two (2) wing reinforcements and set screws for each wing; one used on each side of boot.)

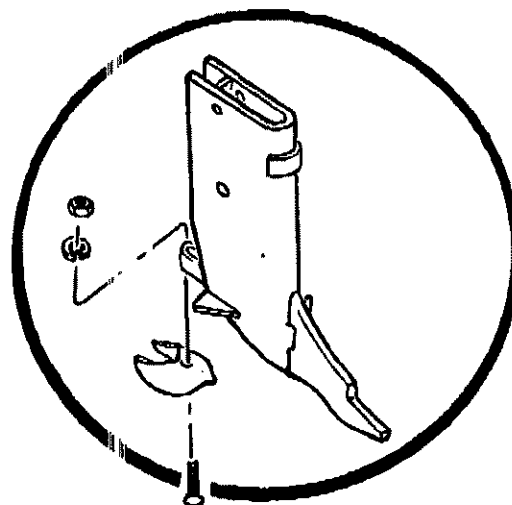
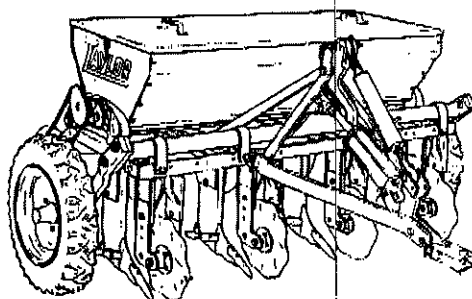


FIG. 2 To install seal, bolt seal to bracket using 3/8" x 2-1/2" plow bolt furnished with machine.



ADJUSTMENTS AND OPERATION

IMPORTANT: READ THESE INSTRUCTIONS CAREFULLY

There are three (3) adjustments necessary for efficient soil penetration with the PASTURE DREAM. These adjustments are fully explained on the following pages.

1. ADJUSTING THE TOP LINK OR TURN BUCKLE

On the F-4, 5, 6 & 7 Models, the turnbuckle is connected from the upper part of the shut-off lever to the top center anchor on the tractor's 3-point hitch. (Fig. 1)

On the DF-4, 5, 6 & 7 models the turnbuckle connects from the upper part of the shut-off lever to the hitch center assembly. (See Fig. 2)

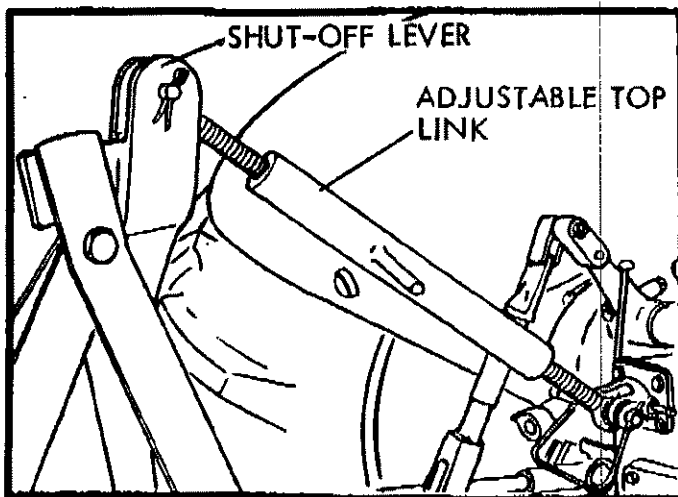


Fig.1

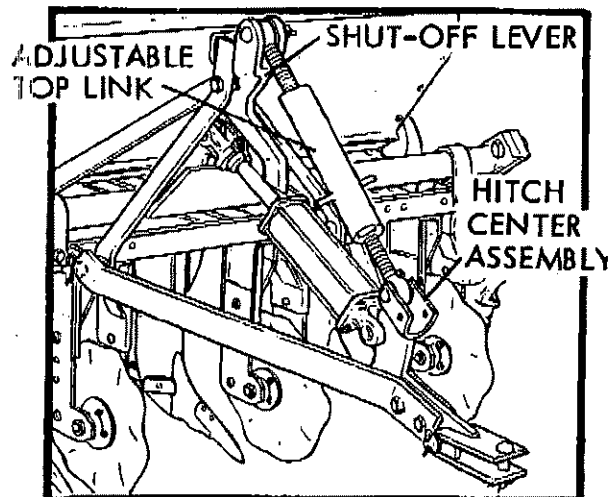


Fig.2

The toplinek or turnbuckle should be adjusted first. **THIS ADJUSTMENT CONTROLS THE DRAFT ANGLE OF THE MACHINE.** To set the draft angle of the boots correctly, loosen the turnbuckle until the seals touch the ground; then tighten until the boot frame is parallel with the ground (Fig. 3).

When this adjustment has been made properly, the seal should have approximately 3/4" ground clearance. An incorrect setting will result in improper seal function or cause the boot to ride the surface of the soil.

ADJUSTMENTS AND OPERATION

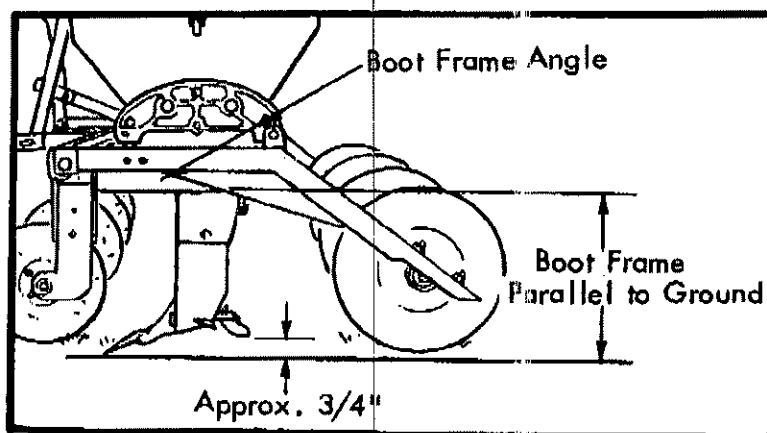


Fig. 3

2. DEPTH CONTROL:

Set screws are located on both hopper frame angle assemblies on either side of the hopper. These set screws control the operating depth of the boot point. Tightening or loosening the screws will raise or lower the boot for shallow or deep furrows. (Fig. 4) After obtaining desired depth, tighten jam nut to lock set screw in position.

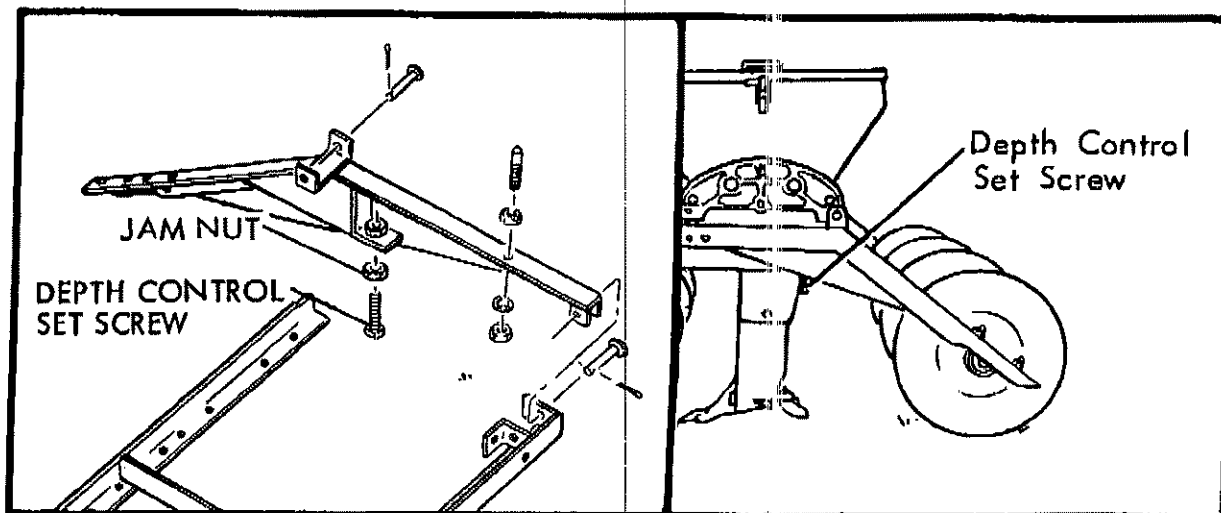


FIG. 4

ADJUSTMENTS AND OPERATIONS

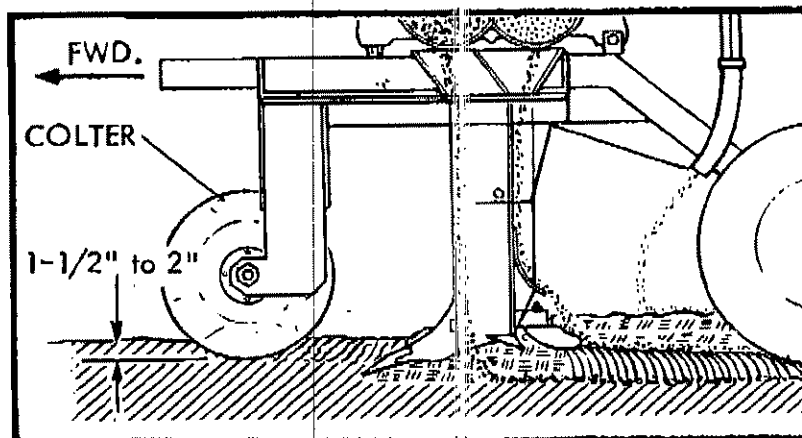


Fig. 5

3. COLTER DEPTH:

The function of the colter is to cut sod, grass and roots on or near the surface of the soil to prevent the boots from clogging. For proper operating depth of the Pasture Dream, the colter should be set to penetrate from 1-1/2" to 2" deep. (Fig. 5)

Anytime the machine fails to operate properly check these three points.

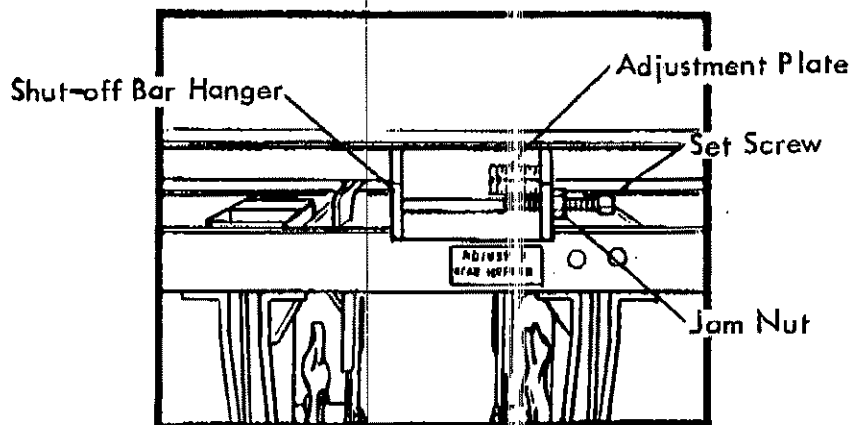


Fig. 6

HOPPER ADJUSTMENT:

Seed and fertilizer settings are controlled by the set screw located on the front and rear shut-off bar hanger.

- A. Determine proper setting from the fertilizer and seed rate chart.
- B. Loosen jam nut.
- C. Align end of set screw with desired indicator on the adjustment plate.
- D. Lock in position by securing jam nut.
- E. Repeat procedure for other shut-off bar hanger.

ADJUSTMENTS AND OPERATIONS

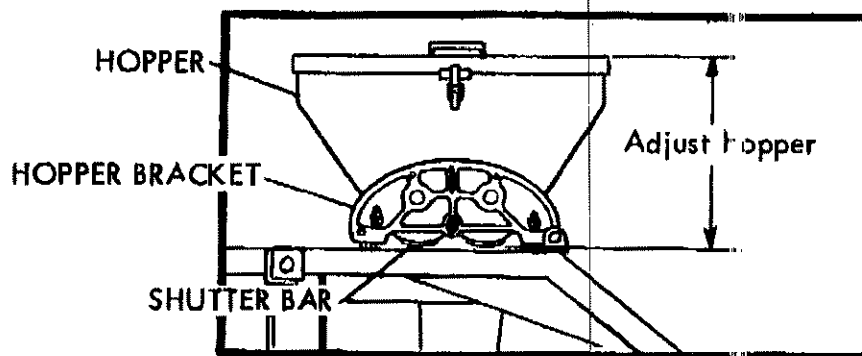


Fig. 7

AGITATOR SHAFT ADJUSTMENT:

To prevent crushing of larger seed such as soybeans, it may be necessary to increase the distance between the agitator and the hopper bottom. It may also be necessary to decrease the distance in the fertilizer hopper to eliminate bulk distribution.

- A. Loosen the four nuts on the hopper bracket.
 - B. Raise or lower hopper to decrease or increase distance as desired. To obtain different setting of each section, it will be necessary to tilt the hopper.
 - C. Tighten bolts securely.
 - D. Repeat procedure on bracket at other end of hopper. (See Fig. 7)
- Note: Caution should be taken to keep the agitator from riding on the shutter bar.

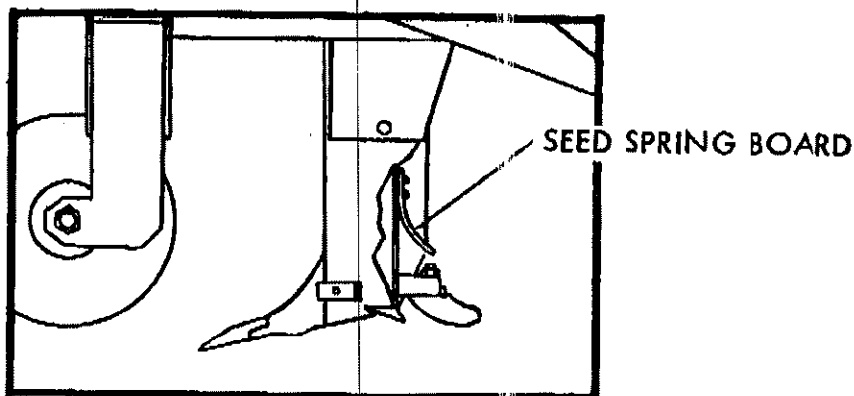


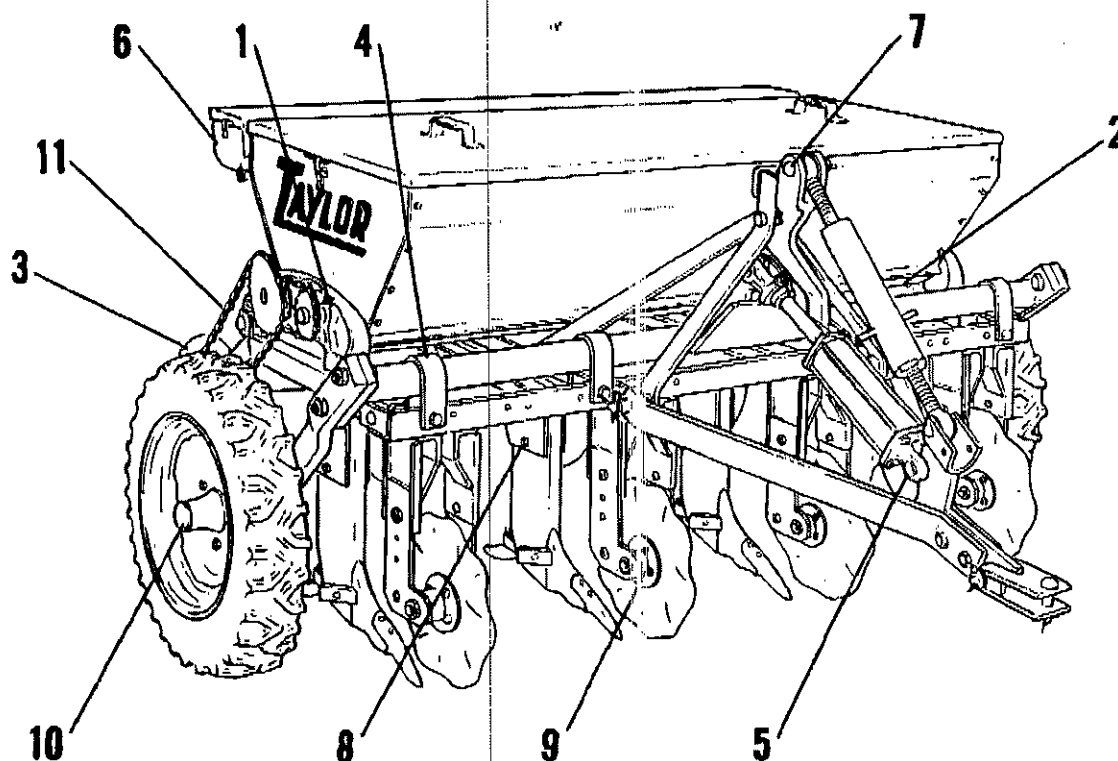
Fig. 8

SEED DEPTH PLACEMENT:

To obtain desired planting depth of seed adjust seed spring board.

- A. Bend upward for shallow planting.
- B. Bend downward for deep planting.

LUBRICATION AND PREVENTIVE MAINTENANCE



The PASTURE DREAM has been serviced properly at the factory, and if cared for correctly, many years of trouble-free service can be expected.

To obtain the long life and best performance from this equipment, it is necessary to adhere to the following schedule and instructions on lubrication and preventive maintenance.

-
1. AGITATOR SHAFTS: Service after every 4 hours of use.
 - A. Use pressure gun with good grade of chassis or cup grease.
 - B. Two alemite fittings located on each hopper bracket.
On the F-6 and F-7 models two more alemites are located inside hopper (See Illustrations Pages 36 & 37)
 - C. Always grease thoroughly when storing to prevent corrosion.
 2. HOPPER SHUTTERS: Service daily.
 - A. Tilt hopper back.
 - B. Oil shutter guides with motor oil.
 - C. Oil automatic shut-off bushing (See Illustrations Pages 38 & 39)

3. **PACKER WHEEL ASSEMBLY:** Service daily (F-6 & 7 Models Only)
 - A. Use pressure gun with good grade of chassis or cup grease.
 - B. One alemite located on each bearing at both ends of packer wheel assembly. (See Illustrations Pages 36 & 37)
 - C. F-4 & F-5 models use sealed bearings and require no lubrication.
4. **CROSS AXLE ASSEMBLY:** Service daily (DF Models Only)

Oil all four anchor yokes with motor oil (See illustration Page 41)
5. **HYDRAULIC CYLINDER ANCHOR PINS:** Service daily (DF Models Only)

Oil two anchor points with motor oil.
6. **CS-2 SEEDER:** Service daily.
 - A. Use pressure gun with good grade of chassis or cup grease.
 - B. One alemite located on seeder drive sprocket (See illustration Page 43).
7. **LINK PINS:** Service weekly.

Use motor oil on all link pins on A-frame assembly.
8. **TRIP BOOTS:** Service weekly.

Use motor oil on hinge points for smooth trip action.
9. **COLTERS:** Service annually. (Unless damaged in use)
 - A. Remove colter holder.
 - B. Disassemble completely.
 - C. Clean all parts and hub thoroughly.
 - D. Repack bearings with good grade automotive wheel bearing grease.
 - E. Reassemble (See Page 40).
 - F. Tighten inner nut snugly; then back off until colter turns freely.
 - G. Lock inner nut in position with set screw.
 - H. Install holder, washer and outer nut.
 - I. Tighten outer nut securely.
 - J. Recheck colter to insure free turning.
10. **WHEELS:** Service annually (DF Models Only)
 - A. Remove wheel rim.
 - B. Disassemble hub completely.
 - C. Clean all parts thoroughly.
 - D. Repack bearings with good grade of automotive wheel bearing grease.

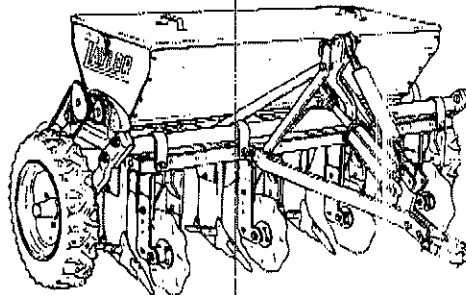
- E. Reassemble (See Page 41).
- F. Tighten slotted nut snugly; then back off to allow wheel to turn freely.
- G. Insert cotter key and replace hub cap.
- H. Recheck wheel to insure free turning.

11. DRIVE CHAINS: Service before storage

Apply light coating of motor oil.

CARE OF HOPPER

After daily use and before storing, tilt hopper back and wash thoroughly with water. Be sure all surplus fertilizer is removed. Coat inside of hopper and funnels with motor oil to leave protective film. Hopper should be tilted back when stored.



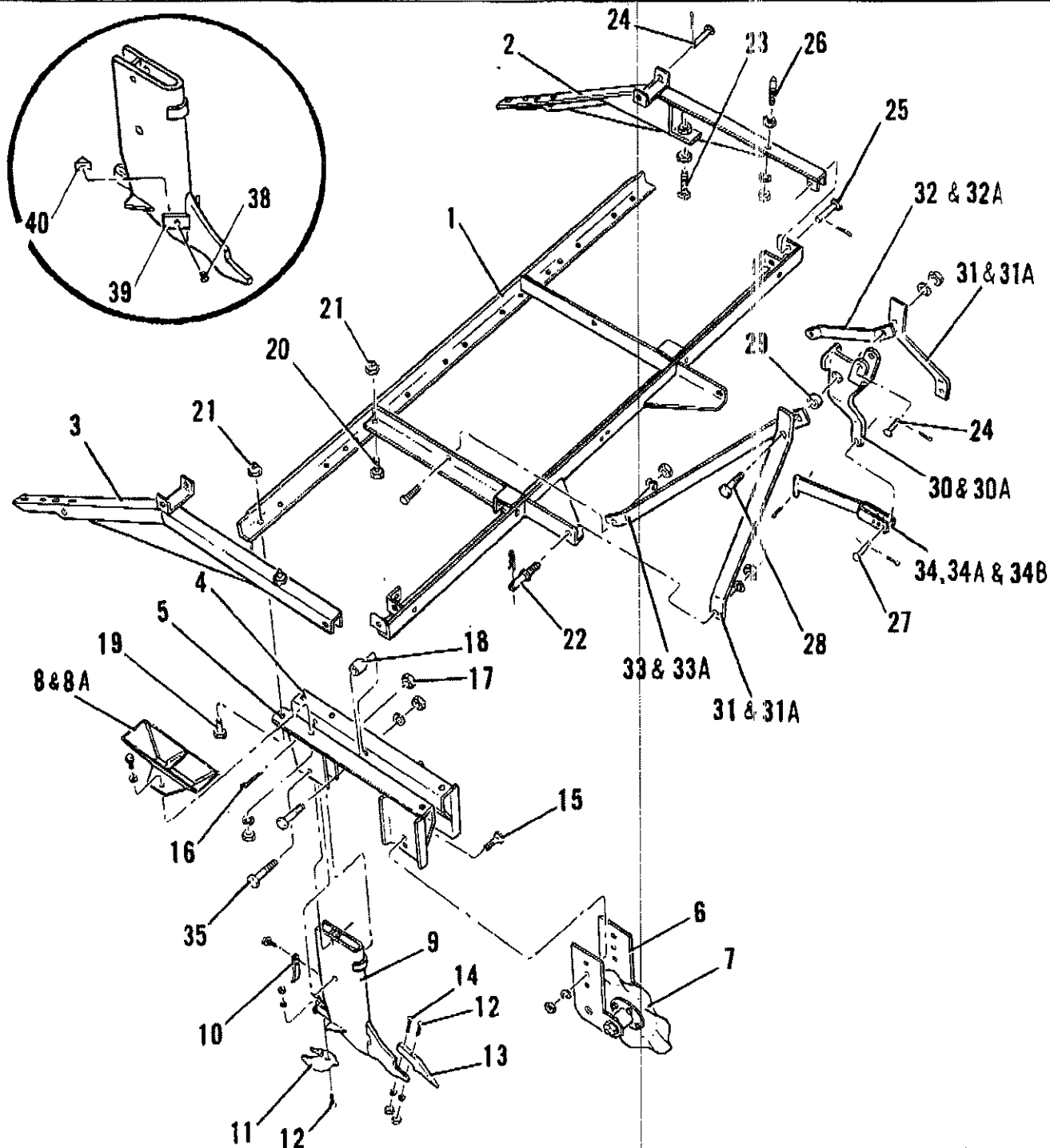


Page 32



Series	Capacity	L. C.	Options
F-4 & F-5	N. A.	N. A.	N. A.

F-4 & F-5 Frame Assembly Complete



Ref. No.	Part No.	Description	No. Req.*
1	A-1-01-3000	Frame Weld Assembly	1

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Series		Capacity	I., C.	Options
F-4 & F-5		N. A.	N. A.	N. A.

F-4 & F-5 Frame Assembly (Continued)				
Ref. No.	Part No.	Description	No. Req.	
2	A-1-01-3001 Lt.	Hopper Frame Angle Assembly	1	
3	A-1-01-3002 Rt.	Hopper Frame Angle Assembly	1	
4	A-1-01-3003 Lt.	Boot Frame Assembly (5 Req. for F-5 Models)	4	
5	A-1-01-3004 Rt.	Boot Frame Assembly (5 Req. for F-5 Models)	4	
6	A-1-14-3007	Dico Colter Assembly (5 Req. for F-5 Models)	4	
7	A-1-14-3006	Dico Colter Assembly (Excluding Holders) (5 Req. for F5 Models)	4	
8	A-1-04-3003	Funnel Assembly (3 Req. for F-5 Models)	4	
8A	A-1-04-3038	Cross Member Funnel Assembly (F-5 Models Only)	2	
9	A-1-11-3000	Boot Assembly (5 Req. for F-5 Models)	4	
10	A-1-0029	Seed Spring Board (5 Req. for F-5 Models)	4	
11	7555	Seal (5 Req. for F-5 Models)	4	
12	7778	3/8 x 2-1/2 Plow Bolt (10 Req. for F-5 Models)	8	
13	A-11-0200	Hard Surface Boot Point (5 Req. for F5 Models)	4	
14	6926	3/8 x 2-3/4 Plow Bolt (5 Req. for F5 Models)	4	
15	6914	3/8 x 1-1/4 Carriage Bolt (10 Req. for F-5 Models)	8	
16	7081	5/16 x 2-1/2 Cotter Key (5 Req. for F-5 Models)	4	
17	6968	1/2 Std. Long Nut (5 Req. for F5 Models)	4	
18	7232	PD-4 Spacer (5 Req. for F-5 Models)	4	
19	6800	7/16 x 1-1/4 Std. Grade 5 Bolt	16	
20	6800-050	7/16 x 1-3/4" Std. Grade 5 Bolt (F-5 Models Only)	4	
21	6963	7/16 Std. Locknut (20 Req. for F-5 Models)	16	
22	7085	1010 Hitch Pin	2	
23	1264	5/8 x 3-1/2 Square Head Set Screw	2	
24	A-99-0032	3/4 x 3-3/4 Rivet	3	
25	A-99-0019	3/4 x 3-1/2" Rivet	2	
26	6966	Hopper End Guide Stud 5/8" 11NC-2	2	
27	A-99-0031	1/2 x 1-3/4 Rivet	1	
28	6786	5/8 x 3-1/2 SAE HCHT Bolt	1	
29	A-15-3003	A-Frame Spacer	1	
30	A-10-3014	Automatic Shut-Off Lever (Serial #22605 & Above)	1	
30A	A-10-3001	Automatic Shut-Off Lever (Up to Serial #22604)	1	
31	A-15-3044	A-Frame (Serial #22054 & Above)	2	
31A	A-15-3000	A-Frame (Up to Serial #22053)	2	
32	A-15-3045 Lt.	Lift Arm Brace (Serial #22054 & Above)	1	
32A	A-15-3001 Lt.	Lift Arm Brace (Up To Serial #22053)	1	
33	A-15-3046 Rt.	Lift Arm Brace (Serial #22054 & Above)	1	
33A	A-15-3002 Rt.	Lift Arm Brace (Up to Serial #22053)	1	
34	A-1-10-3003	Shut-Off Linkage (Serial #22605 & Above)	1	
34A	A-1-10-3004	Shut-Off Linkage (Serial #22054 to Serial #22604)	1	
34B	A-1-10-3001	Shut-Off Linkage (Up to Serial #22053)	1	
35	6967	Boot Hinge Bolt 1/2" 13NC-2 (5 Req. for F-5 Models)	4	
36	A-1-01-3005	F-4 Frame Assembly (Includes all Items Except 11, 23, 26, 27, 34 & Half #12)	1	
37	A-1-01-3007	F-5 Frame Assembly (Includes all Items Except 11, 23, 26, 27, 34 & Half #12)	1	
38	1267	Capscrew, Allenhead 3/8" x 1" (10 Req. for F-5 Models)	8	
39	A-11-0028	Wing, Boot (5 Req. for F-5 Models)	4	
40	A-11-0029	Reinforcement, Wing Boot (10 Req. for F-5 Models)	8	
41	A-1-16-3004	Boot Wing Kit (F-4 Model Only) Includes Items 38, 39 & 40	1	
42	A-1-16-3018	Boot Wing Kit (F-5 Model Only) Includes Items 38, 39 & 40	1	
*No. Required for F-4 & F-5 Models unless Otherwise Specified in Parenthesis				

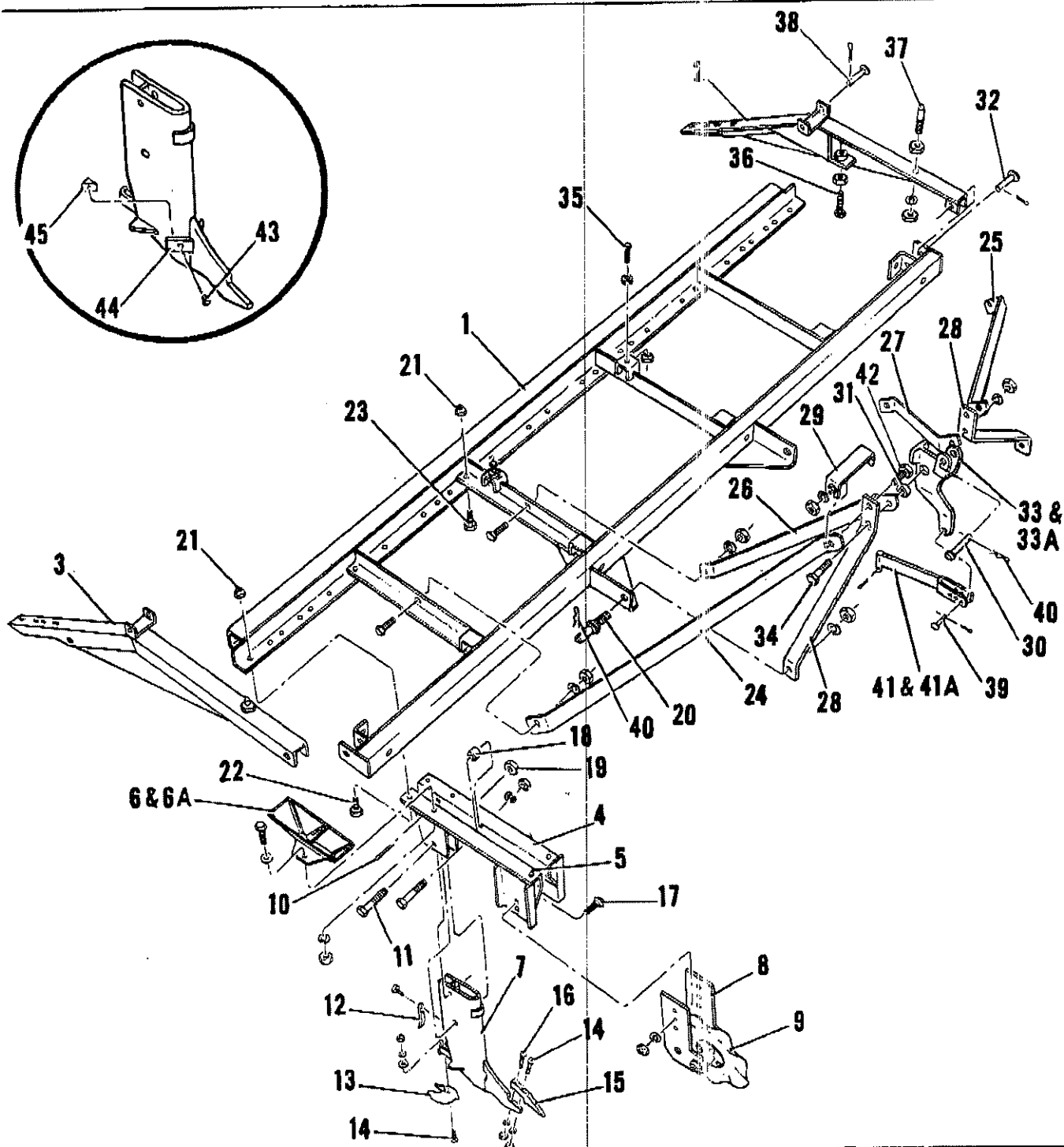


Page 34



Series	Capacity	L. C.	Options
F-6 & F-7	N. A.	N.A.	N. A.

F-6 & F-7 Frame Assembly Complete



Ref. No.	Part No.	Description	No. Req.*
1	A-1-01-2804	Frame Weld Assembly Complete	1



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Series	Capacity	L. C.	Options
F-6 & F-7	N. A.	N. A.	N. A.

F-6 & F-7 Frame Assembly Complete (Continued)

Ref. No.	Part No.	Description	No. Req.
2	A-1-01-3001 Lt.	Hopper Frame Angle Assembly	1
3	A-1-01-3002 Rt.	Hopper Frame Angle Assembly	1
4	A-1-01-3003 Lt.	Boot Frame Assembly	1
5	A-1-01-3004 Rt.	Boot Frame Assembly	1
6	A-1-04-3003	Funnel Assembly (5 Req. for F-7 Models)	6
6A	A-1-04-3038	Crossmember Funnel Assembly (F-7 Models Only)	2
7	A-1-11-3000	Boot Assembly (7 Req. for F-7 Models)	6
8	A-1-14-3007	Dico Colter Assembly (7 Req. for F-7 Models)	6
9	A-1-14-3006	Dico Colter Assembly (Excluding Holders) (7 Req. for F-7 Models)	6
10	7081	5/16" x 2-1/2" Colter Key (7 Req. for F-7 Models)	6
11	6967	Boot Hinge Bolt 1/2" 13 NC-2 (7 Req. for F-7 Models)	6
12	A-01-0029	Seed Spring Board (7 Req. for F-7 Models)	6
13	7555	Seal (7 Req. for F-7 Models)	6
14	7778	3/8 x 2-1/2 HCHT Plowbolt (14 Req. for F-7 Models)	12
15	A-11-0200	Hard Surface Boot Point (7 Req. for F-7 Models)	6
16	6926	3/8 x 2-3/4 HCHT Plow Bolt (7 Req. for F-7 Models)	6
17	6914	3/8 x 1-1/4 Carriage Bolt (14 Req. for F-7 Models)	12
18	7232	Spacer, (7 Req. for F-7 Models)	6
19	6968	1/2" Shoulder Nut (7 Req. for F-7 Models)	6
20	A-15-3021	Hitch Pin	2
21	6963	7/16 Standard Locknut (28 Req. for F-7 Models)	24
22	6800	7/16 x 1-1/2 HCHT Bolt	24
23	6800-050	7/16 x 1-3/4" HCHT Bolt (F-7 Models Only)	2
24	A-15-2802 Rt.	A-Frame Brace	1
25	A-15-2803 Lt.	A-Frame Brace	1
26	A-15-3002 Rt.	Lift Arm Brace	1
27	A-15-3001 Lt.	Lift Arm Brace	1
28	A-15-2800	A-Frame Brace	2
29	A-15-2801	A-Frame Brace Clamp	1
30	A-1-20-0019	Top Link Hitch Pin Assembly	1
31	A-15-3003	A-Frame Spacer	1
32	A-99-0019	3/4 x 3-1/2 Rivet	2
33	A-10-2802	Automatic Shut-off Bar (Up to Serial # 23014)	1
33A	A-10-3015	Automatic Shut-Off Bar (Serial # 23015 & Above)	1
34	1087	5/8 x 4 SAE HCHT Bolt	1
35	1261	5/8 x 2 Std. Square Head Set Screw	2
36	1264	5/8 x 3-1/2" Std. Square Head Set Screw	2
37	6966	5/8 - 11 NC-2 Hopper End Guide Stud	2
38	A-99-0032	3/4 x 3-3/4 Rivet	2
39	A-99-0031	1/2 x 1-3/4 Rivet	1
40	7777-050	Hair Pin Clip	3
41	A-1-10-2803	Automatic Shut-Off Linkage Assembly (Up to Serial # 23014)	1
41A	A-1-10-3002	Automatic Shut-Off Linkage Assembly (Serial # 23015 & Above)	1
42	A-12-2810	3/4 x 3" Std. Bolt	2
43	1267	Capscrew, Allenhead 3/8" x 1" (14 Req. for F-7 Models)	12
44	A-11-0028	Wing, Boot (7 Req. for F-7 Models)	6
45	A-11-0029	Reinforcement, Wing Boot (14 Req. for F-7 Models)	12
46	A-1-16-2804	Boot Wing Kit (F-6 Model Only) Includes Items 43, 44 & 45	1
47	A-1-16-2805	Boot Wing Kit (F-7 Model Only) Includes Items 43, 44 & 45	1
*No. Required Applies to F-6 & F-7 Models Unless Otherwise Specified in Parentheses			

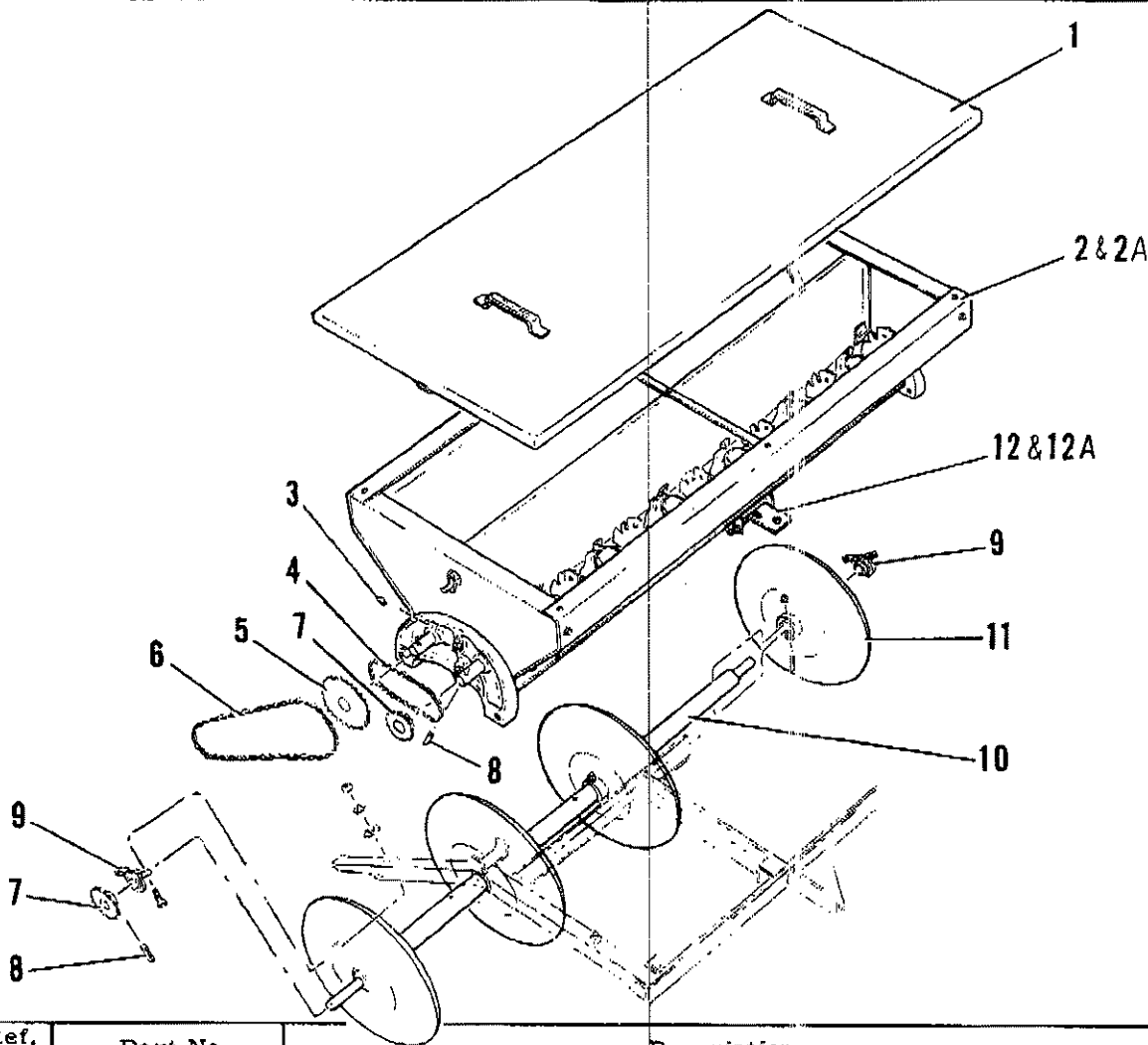


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Series	Capacity	L. C.	Options
F-4 & F-5	N. A.	N. A.	N. A.

F-4 & F-5 Packer Wheel & Double Hopper Installation



Ref. No.	Part No.	Description	No. Req.*
1	A-1-04-0075	Hopper Top Assembly	1
2	A-1-04-3008	Double Hopper Assembly Complete (F-4 Only)	1
2A	A-1-04-3015	Double Hopper Assembly Complete (F-5 Only)	1
3	7097	3/8 Alemite	4
4	7580-001	#50 Roller Chain 25-7/8" Long	1
5	A-1-05-3001	Large Sprocket Assembly	1
6	7580-003	#50 Roller Chain 74-15/16" Long	1
7	A-1-05-3000	Small, Sprocket Assembly	2
8	7087	3/8 x 2-1/4 Roll Lock	3
9	7213	1-1/4 Sealmaster Bearing	2
10	A-1-02-3000	Packer Wheel Pipe Assembly	1
11	A-1-03-3000	Packer Wheel Assembly (5 Req. for F-5 Model)	4
12	A-1-04-3002	Hopper Control Assembly (F-4 Only)	1
12A	A-1-04-3014	Hopper Control Assembly (F-5 Only)	1
13	A-1-02-3003	Packer Wheel Ass'y, Complete (F-4 Only; Includes Items 7, 8, 9, 10 & 11)	1
14	A-1-02-3001	Packer Wheel Assembly Complete (F-5 Only; Includes Items 7, 8, 9, 10, 11)	1
*No. Required for F-4 & F-5 Models Unless Otherwise Specified in Parenthesis			

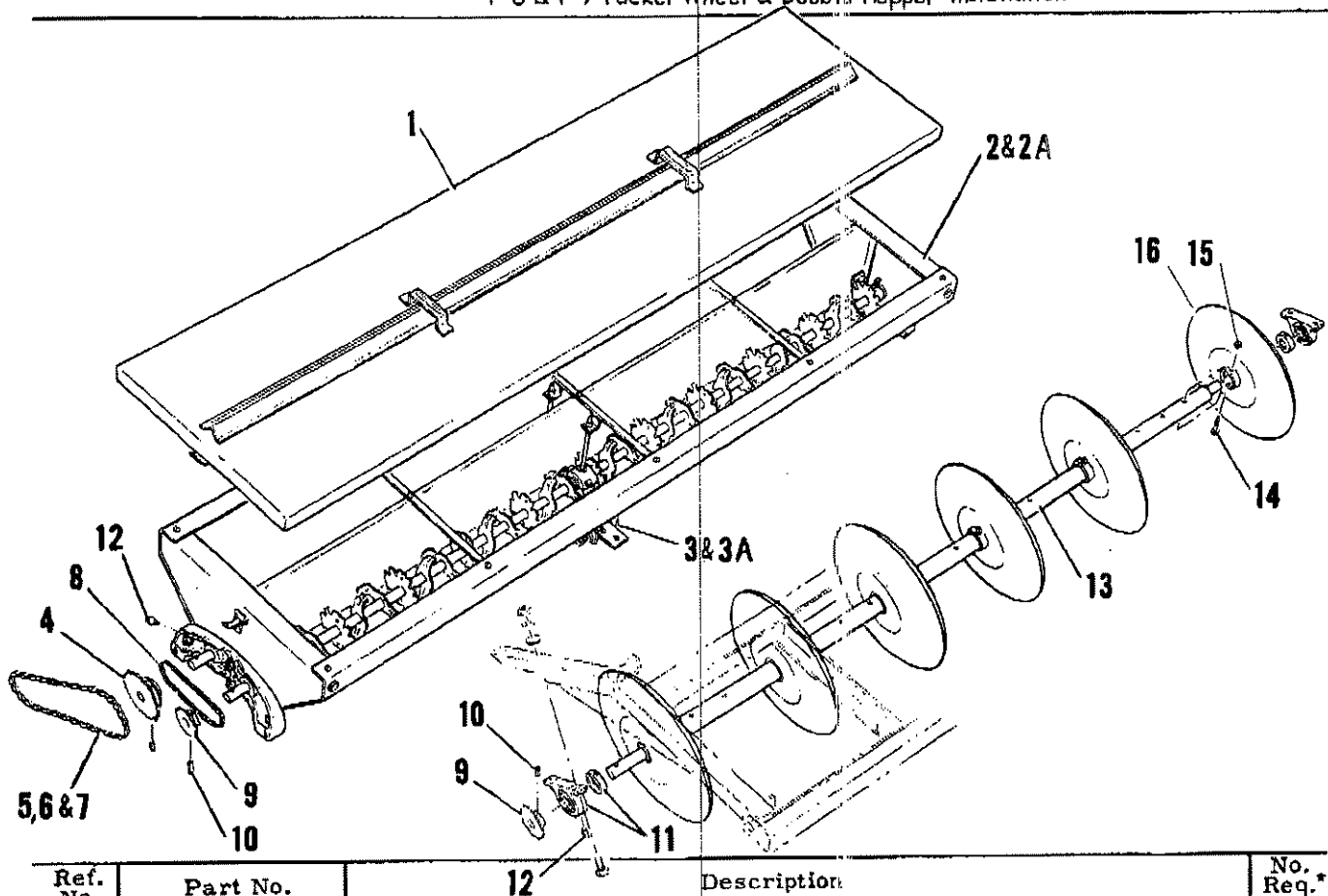


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Series	Capacity	L. C.	Options
F-6 & F-7	N. A.	N.A.	N.A.

F-6 & F-7 Packer Wheel & Double Hopper Installation



Ref. No.	Part No.	Description	No. Req.*
1	A-1-04-2803	Hopper Top Assembly	1
2	A-1-04-2809	Double Hopper Assembly Complete (F-6 Only)	1
2A	A-1-04-3021	Double Hopper Assembly Complete (F-7 Only)	1
3	A-1-04-2807	Hopper Control Assembly (F-6 Only)	1
3A	A-1-04-3018	Hopper Control Assembly (F-7 Only)	1
4	A-1-05-2800	Drive Sprocket Assembly	1
5	7580-003	#50 Chain 74 - 15/16 Long	1
6	A-03-2803	#50 Extension Chain	1
7	8237-500	#50 Master Link	1
8	7580-001	#50 Roller Chain 25-7/8 Long	1
9	A-1-05-3000	Small Sprocket Assembly	2
10	7087	3/8 x 2-1/4 Roll Lock Pin	3
11	7213-010	1-1/4 Fafnir Pillow Block Bearing	2
12	7097	3/8 Alemite	6
13	A-1-02-2801	Packer Wheel Pipe Assembly	1
14	1150	7/16 x 3-1/2 Std. Capscrew (7 Req. for F-7 Models)	6
15	6963	7/16 Std. Locknut (7 Req. for F-7 Models)	6
16	A-1-03-3000	Packer Wheel Assembly (7 Req. for F-7 Model)	6
17	A-1-03-2804	Packer Wheel Assembly Complete (F-6 only Includes Items 9, 10, 11, 12, 13, 14, 15, 16)	1
18	A-1-02-3004	Packer Wheel Assembly Complete (F-7 only Includes Items 9, 10, 11, 12, 13, 14, 15, 16)	1
*No. Required for F-6 & F-7 Models Unless Otherwise Specified in Parenthesis.			

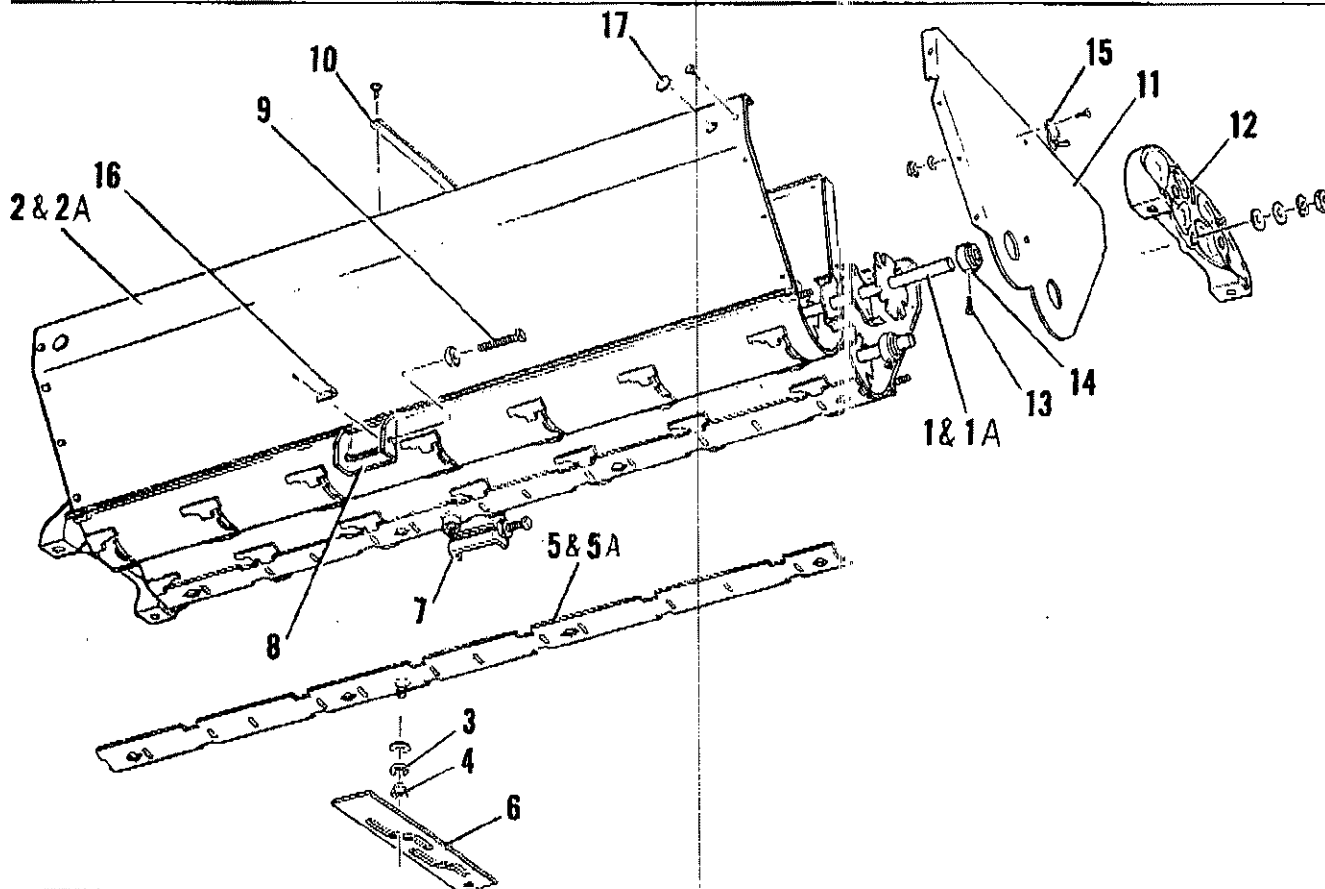


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Series	Capacity	L. C.	Options
F-4 & F-5	N. A.	N. A.	N. A.

F-4 & F-5 Hopper Assembly Complete



Ref. No.	Part No.	Description	No. Req.*
1	A-1-04-3001	Agitator Assembly (F-4 Only)	2
1A	A-1-04-3016	Agitator Assembly (F-5 Only)	2
2	A-1-04-3009	Double Hopper Weld Assembly (F-4 Only)	1
2A	A-1-04-3017	Double Hopper Weld Assembly (F-5 Only)	1
3	7242	5/8 x 1-3/8 Automatic Shut-Off Bushing	2
4	6969	1/2" - 13 NC Automatic Shut-Off Shoulder Nut	2
5	A-04-3033	4-Hole Shutter Bar (F-4 Only)	2
5A	A-04-3031	5-Hole Shutter Bar (F-5 Only)	2
6	A-10-3011	Shut-Off Plate	1
7	A-10-3013 Lt.	Shut-Off Bar Hanger	1
8	A-10-3012 Rt.	Shut-Off Bar Hanger	1
9	A-10-3018	5/8 x 3-1/2 Set Screw	2
10	A-04-0004	Hopper Brace	1
11	A-04-0021	Hopper End	2
12	A-04-3006	Hopper Bracket	2
13	6905	1/2 x 3/4 Set Screws	4
14	7235	Hopper Shaft Set Collar	4
15	7603	Zinc Clasp	2
16	A-04-3034	Brass Adj. Plate	2
17	7682	1/2 Hopper Plug	2
*No. Req. for F-4 & F-5 Models Unless Otherwise Specified in Parenthesis			

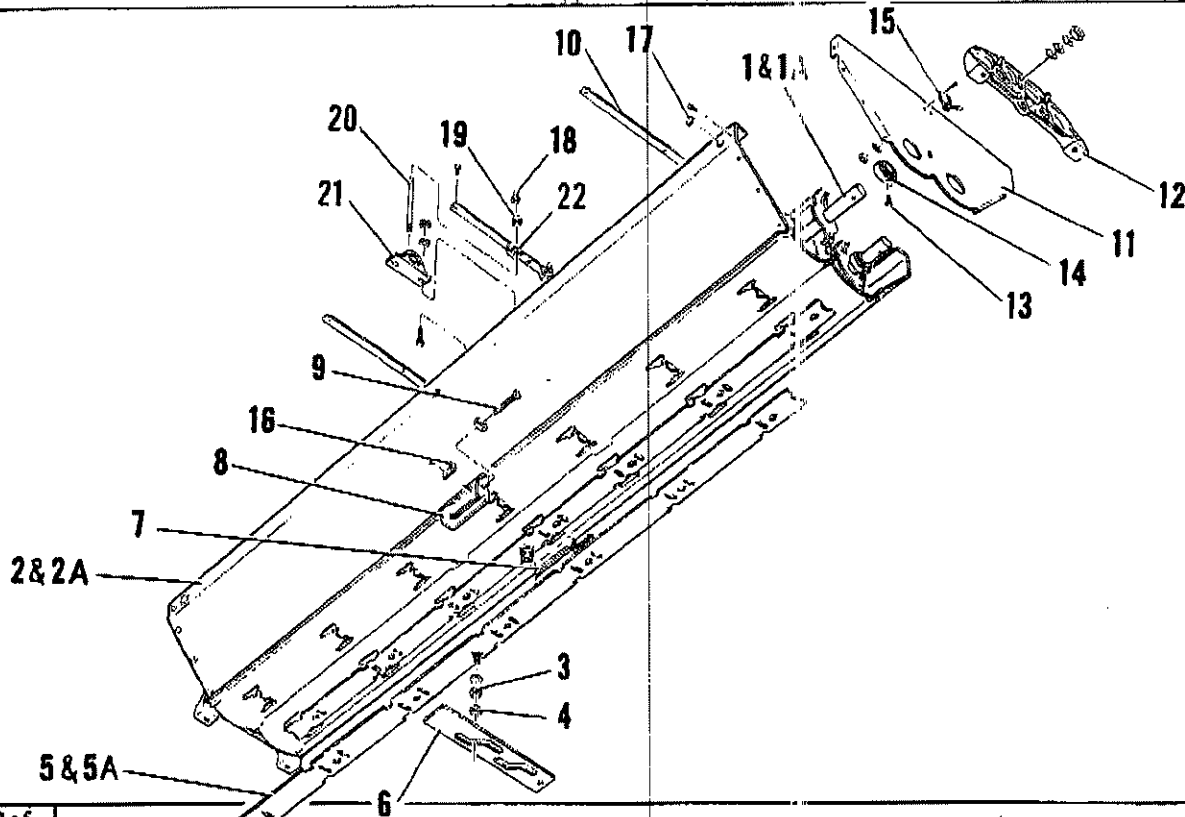


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Series	Capacity	L. C.	Options
F6 & F7	N. A.	N. A.	N. A.

F6 & F7 Hopper Assembly Complete (F6; A-1-04-2809) (F7; A-1-04-3021)



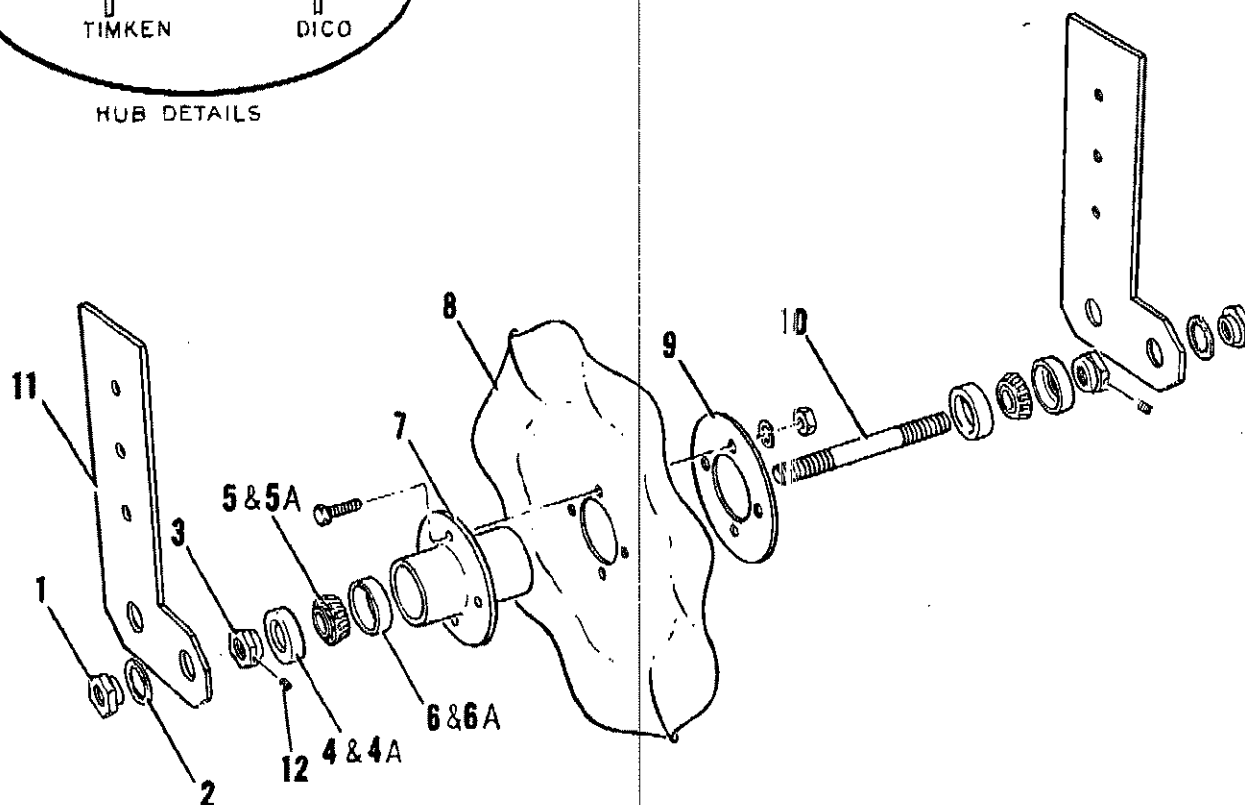
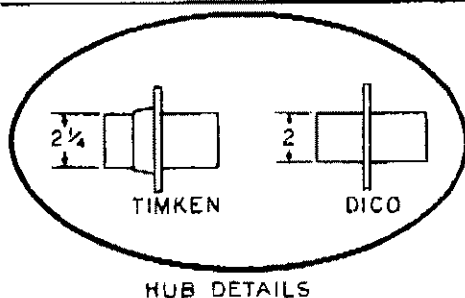
Ref. No.	Part No.	Description	No. Req.*
1	A-1-04-2800	Agitator Assembly (F-6 Only)	2
1A	A-1-04-3020	Agitator Assembly (F-7 Only)	2
2	A-1-04-2810	Double Hopper Weld Assembly (F-6 Only)	1
2A	A-1-04-3019	Double Hopper Weld Assembly (F-7 Only)	1
3	7242	5/8 x 1-3/8 Automatic Shut-Off Bushing	2
4	6969	1/2" - 13NC Automatic Shut-Off Shoulder Nut	2
5	A-04-2818	6-Hole Shutter Bar (F-6 Only)	2
5A	A-04-3032	7-Hole Shutter Bar (F-7 Only)	2
6	A-10-3011	Shut-Off Plate	1
7	A-10-3013 Lr.	Shut-Off Bar Hanger	1
8	A-10-3012 Rt.	Shut-Off Bar Hanger	1
9	A-10-3018	5/8 x 3-1/2 Set Screw	2
10	A-04-0004	Hopper Brace	3
11	A-04-0021	Hopper End	2
12	A-04-3006	Hopper Bracket	2
13	6905	1/2 x 3/4 Set Screw	4
14	7235	Hopper Shaft Set Collar	4
15	7603	Zinc Clasp	2
16	A-04-3034	Brass Adjustment Plate	2
17	7682	1/2 Hopper Plug	2
18	7097	3/8 Alemite	2
19	7118	1/8" Pipe Coupling	2
20	A-04-2813	Lubrication Tube 1/8" Std. Pipe 11" Long	2
21	7218-060	Bearing 1-1/4" Split Babbitt Journal	2
22	A-04-2814	Tube Bracket	2
*No. Req. for F-6 & F-7 Models unless otherwise specified in parenthesis.			



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Series	Capacity	L. C.	Options
F-4, F-5, F-6 and F-7	N. A.	N. A.	N. A.
F-4, F-5, F-6 and F-7 Colter Assembly			A-1-14-13007



Ref. No.	Part No.	Description	No. Req.*
1	6971	3/4" SAE Special Hex Nut	2
2	7013	1" Shakeproof Lockwasher	2
3	6974	3/4" SAE Special Hex Nut (D & T)	2
4	8179-030	4247 Seal (Serial No. 21848 & Above)	2
4A	7343	Seal (Up to Serial No. 21847)	2
5	7846-020	3/4 Tapered Roller Bearing (Serial No. 21848 & Above)	2
5A	7196	Tapered Roller Bearing (Up to Serial No. 21847)	2
6	7846-021	Bearing Cup (Serial No. 21848 & Above)	2
6A	7825-510	Bearing Cup (Up to Serial No. 21847)	2
7	7349	Dico Hub Assembly (Includes Item 6)	1
8	7325	14" Rippled Blade	1
9	A-14-3008	Hub Reinforcement Flange	1
10	A-02-0007	Colter Axle	1
11	A-1-14-3002	Colter Holder Extr.	2
12	6896	1/8 x 5/16 Set Screw	2
*No. Req. Applies per colter assembly			
If complete hub assemblies have been replaced on machines with serial #			
up to 21847, after June, 1966, it will be necessary to specify either			
Timken or Dico hub replacement parts.			



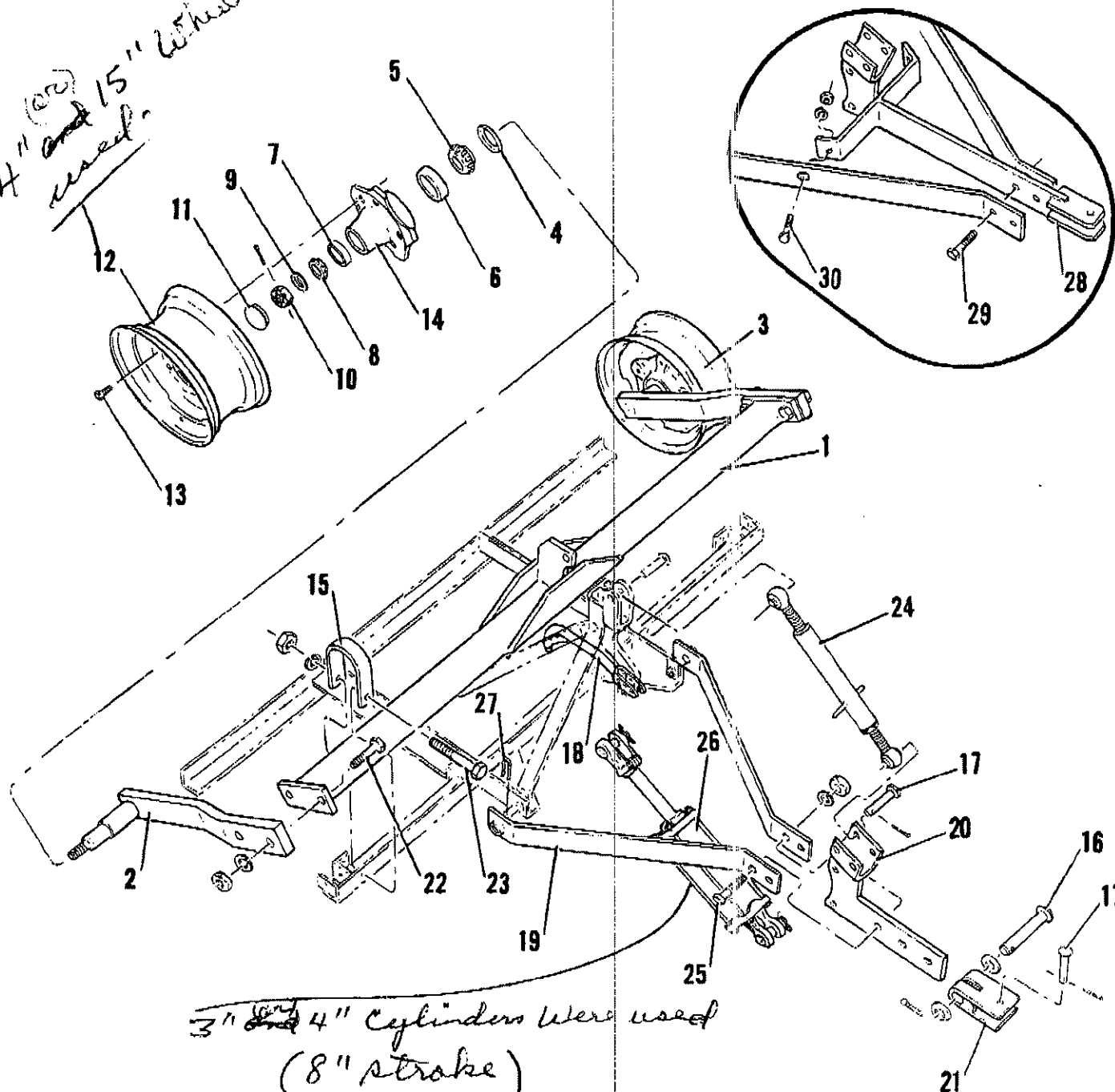
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Series	Capacity	I. C.	Options
DF-4,5,6 & 7	N.A.	N.A.	N.A.

Conversion Kit

14" ^(or) 15" wheels
used



Ref. No.	Part No.	Description	No. Req.
1	A-1-02-3051	Cross Axle Assembly (DF-4 & 5 Only)	1

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Series	Capacity	L. C.	Options
DF-4,5,6 & 7	N.A.	N.A.	N.A.

Conversion Kit

(Continued)

Ref. No.	Part No.	Description	No. Req.
1A	A-1-28-2851	Cross Axle Assembly (DF-6 & 7 Only)	1
2	A-1-02-2850	Wheel Arm Assembly (All Models)	2
*3	A-1-03-2450	Wheel Assembly	2
4	7370	Seal Grease	2
5	7199	Bearing Cone Inner	2
6	7846	Cup Inner	2
7	7825-510	Cup Outer	2
8	7196	Bearing Cone Outer	2
9	7379	Washer	2
10	7382	Nut 3/4" Slotted	2
11	7373	Hub Cap	2
*12	See Note	Rim 7358-14"; 7361-15"	2
13	7367	Bolts Wheel	10
14	7364	Hub With Cups (Includes Items 6 & 7)	2
15	A-02-3051	Anchor Yoke, Axle (DF 4 & 5 Only)	4
15A	A-02-2853	Anchor Yoke, Axle (DF 6 & 7 Only)	4
16	A-99-0022	Rivet 7/8 x 5 (DF 4 & 5 Only)	1
17	A-99-0019	Rivet 3/4 x 3 1/2	2
18	A-1-10-2805	Shutoff Linkage Assembly (DF 4 & 5 with Serial #22605 & Above)	1
18A	A-1-10-3000	Shutoff Linkage Assembly (DF 4 & 5 up to Serial No. 22604)	1
18B	A-1-10-2804	Shutoff Linkage Assembly (DF 6 & 7 with Serial No. 23015 & Above)	1
18C	A-1-10-2802	Shutoff Linkage Assembly (DF 6 & 7 Up to Serial No. 23014)	1
19	A-1-12-3050	Tongue Side Bar Assembly (DF 4 & 5 Only)	2
19A	A-1-12-2850	Tongue Side Bar Assembly (DF 6 & 7 Only)	2
20	A-1-12-3051	Hitch Assembly (DF 4 & 5 Only)	1
21	A-1-15-0002	Pull Hitch Assembly (DF 4 & 5 Only)	1
22	1189	Bolt 7/8 x 3 1/2 HCHT	4
23	6786-020	Bolt 5/8 x 4 1/2 (DF 4 & 5 Only)	4
23A	1207	Bolt 5/8 x 6 (DF 6 & 7 Only)	4
24	7804	Adjusting Link	1
25	1186	Capscrew 3/4 x 3 (DF 4 & 5 Only)	2
26	7413	Hydraulic Cylinder (DF 4 & 5 Only)	1
26A	8180	Hydraulic Cylinder (DF 6 & 7 Only)	1
27	7777-050	Pin	2
28	A-1-12-2851	Tongue Center Assembly (DF-6 & 7 Only)	1
29	7776-060	Bolt 3/4 x 3 1/2 STD. (DF-6 & 7 Only)	2
30	1219	Capscrew 7/8 x 3 (DF 6 & 7 Only)	2
		*Specify 14 or 15" Rim Size	

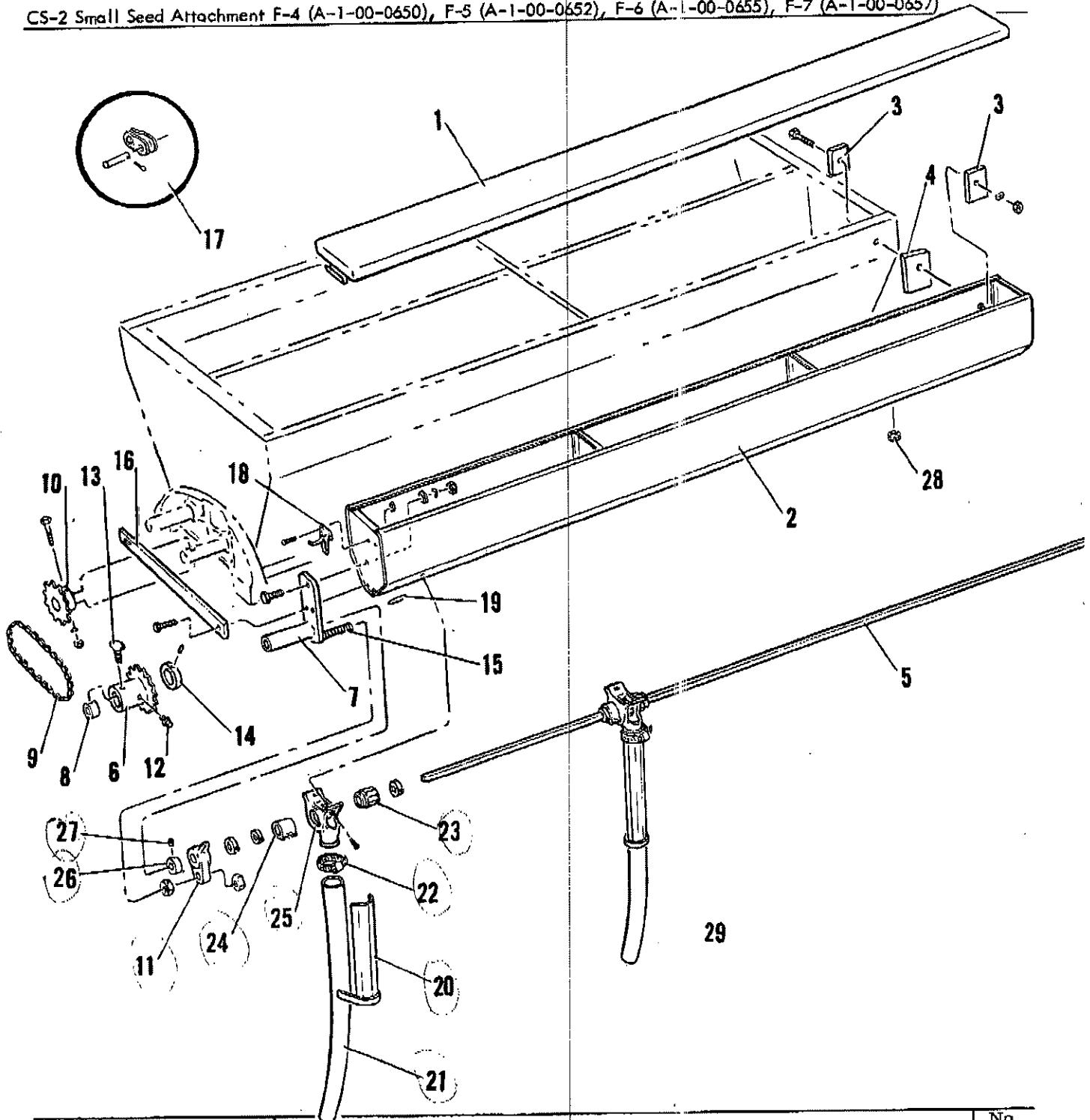


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Series	Capacity	L. C.	Options
F-4, 5, 6 & 7	N. A.	N.A.	N. A.

CS-2 Small Seed Attachment F-4 (A-1-00-0650), F-5 (A-1-00-0652), F-6 (A-1-00-0655), F-7 (A-1-00-0657)



Ref. No.	Part No.	Description	No. Req.
1	A-1-04-0653	Top Assembly, Seeder (F-4 & 5 Only)	1
1A	A-1-04-2805	Top Assembly, Seeder (F-6 & 7 Only)	1

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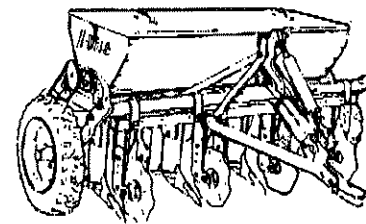
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Series	Capacity	L. C.	Options
F-4, 5, 6 & 7	N. A.	N.A.	N. A. (Continued)

CS-2 Small Seed Attachment F-4 (A-1-00-0650), F-5 (A-1-00-0652), F-6 (A-1-00-0655), F-7 (A-1-00-0657)

Ref. No.	Part No.	Description	No. Req.
2	A-1-04-0650	Hopper Assembly (F-4 & 5 Only)	1
2A	A-1-04-2804	Hopper Assembly (F-6 & 7 Only)	1
3	A-04-0655	Bracket, Mounting (All Models)	4
4	A-04-0650	Bracket, Mounting (All Models)	2
5	A-04-0659	Shaft, Feed Roll (F-4 & 5 Only)	1
5A	A-04-2811	Shaft, Feed Roll (F-6 & 7 Only)	1
6	A-1-05-0601	Sprocket, Seeder Drive (All Models)	1
7	A-1-04-0652	Holder Assembly, Sprocket (All Models)	1
8	A-04-0658	Bushing, Clutch Dog (All Models)	1
9	7580-002	Chain Roller (All Models)	1
10	A-1-05-0050	Sprocket Assembly, Small (All Models)	1
11	A-04-0656	Indicator (All Models)	1
12	7097	Alimite (All Models) 1610	1
13	7088	Thumb Screw 3/8 x 5/8 (All Models)	1
14	A-04-0661	Set Collar (All Models)	1
15	A-04-0664	Screw, Regulator (All Models)	1
16	A-04-0670	Bar, Seeder Stabilizer (All Models)	1
17	7573	Connecting Link, Offset (All Models)	1
18	7603	Clasp (All Models)	2
19	7732	Dial Plate (All Models)	1
20	A-1-04-0655	Stiffner Assembly, Hose	*
21	A-04-0663	Hose, Seeder 1/2"	*
22	7151-010	Clamp, Hose #4-1229	*
23	7474	Feed Roll	*
24	7477	Feed Gate	*
25	7483	Feed Housing Assembly	*
26	7238	Set Collar (F-4 Only)	10
26A	7238	Set Collar (F-5 Only)	12
26B	7238	Set Collar (F-6 Only)	14
26C	7238	Set Collar (F-7 Only)	16
27	6887	Set Screw 1/4 x 3/8 Socket HD (F-4 Only)	11
27A	6887	Set Screw 1/4 x 3/8 Socket HD (F-5 Only)	13
27B	6887	Set Screw 1/4 x 3/8 Socket HD (F-6 Only)	15
27C	6887	Set Screw 1/4 x 3/8 Socket HD (F-7 Only)	17
28	7681	Plug, Bottom (F-4 Only)	3
28A	7681	Plug, Bottom (F-5 Only)	2
28B	7681	Plug, Bottom (F-6 Only)	5
28C	7681	Plug, Bottom (F-7 Only)	4
* Amount required varies with Model. F-4 requires 4, F-5 requires 5, etc. If complete set needs replacement, count number of attachments and notify when ordering.			



INTRODUCTION

The introduction of the PASTURE DREAM in 1950 created an entirely new method of planting grass and cereal crops. In the past all planting had been done either on the surface or in prepared seedbeds. Surface planting without preparation resulted in poor germination and poor stands. Young plants cannot withstand the changing weather conditions unless they are attached to the soil. Broadcast seedbed preparation is expensive -- it results in the loss of established sod and a bogging condition of the ground which makes wet-weather grazing of cattle impractical.

Agronomists and engineers at experiment stations found that row plantings of cereal and grass crops would produce as much or more than broadcast plantings. However, this method was almost forgotten because there was no machinery capable of doing an efficient job. There were questions concerning this type of planting which had to be answered: Could seed be planted in sod? Should the seed be placed with the fertilizer? How deep should fertilizer be placed? What growth could be expected? What width spacings would give the best results? After the annual planted crop had served its purpose, could quick recovery of the existing sod be depended upon? Could perennials be interplanted to keep plants balanced?

During the early 1950's it was believed that 10" spacing between rows would produce the best results, so the PASTURE DREAM was designed accordingly. However, this spacing presented problems on some soil and sod-types because of clogging and raking. Severe damage was being done to the sod.

Agronomists, as well as our company, began experimenting with wider spacings and with separating the seed from the fertilizer. Others in our dealership organization designed a packing or mulching wheel to break up and pulverize the soil in the furrow, thus removing the air pockets and mulching the seed in the top layer of soil.

Early in the 1953 fall planting season, we introduced the Model "FR" PASTURE DREAM. Included in its construction were improvements resulting from previous testing. The spacing was changed from 10" to 20"; the seed were separated and planted above the fertilizer; a packing roller was added; and the cutter points were hard surfaced. A Conversion Kit was then made available to bring all old model "F" machines up to date with the same specifications as the Model "FR."

The Model "FR" and the later drawbar Model "DR" PASTURE DREAM have consistently produced good results in varied soil types, run at least one-third faster, and operated in tall grass, hard soil, and through sod without clogging. Now we can expect to grow from one-third to one-half more forage on 20" spacing with the PASTURE DREAM than by conventional broadcast methods (Mississippi Experiment Bulletin 505) and save sod if the same quality of seed and fertilizer are used per acre. These are not experiments, but proven facts given by reports from experiment stations throughout the Southeastern part of the United States.



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