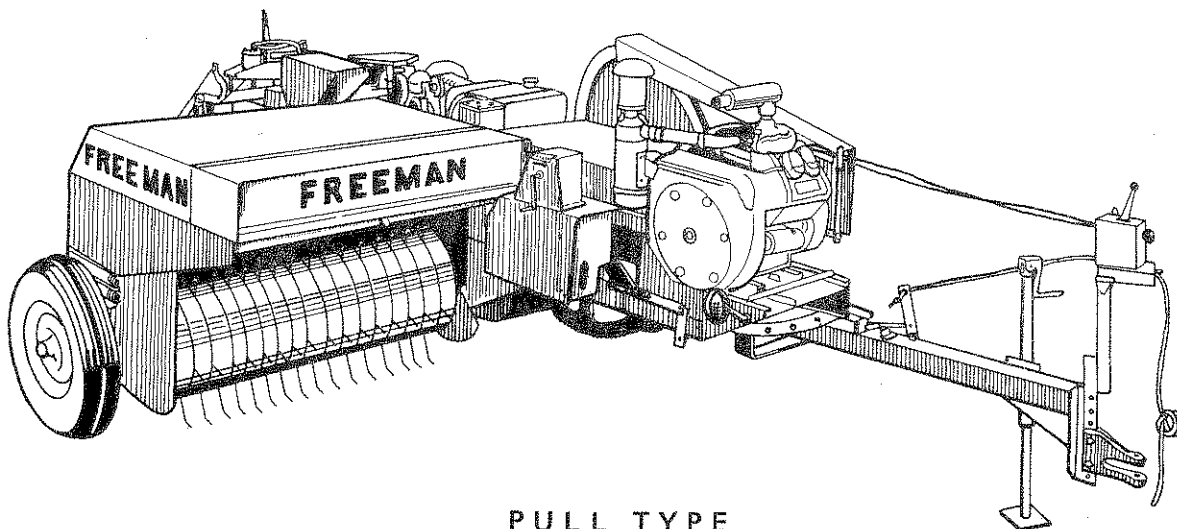


# FREEMAN

## Automatic Hay Baler

1976-77 Parts List



PULL TYPE  
Model 200

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*manufactured and distributed by*

**J. A. FREEMAN & SON, INC.**

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**PORTLAND, OREGON**

Printed in U.S.A. 8-77

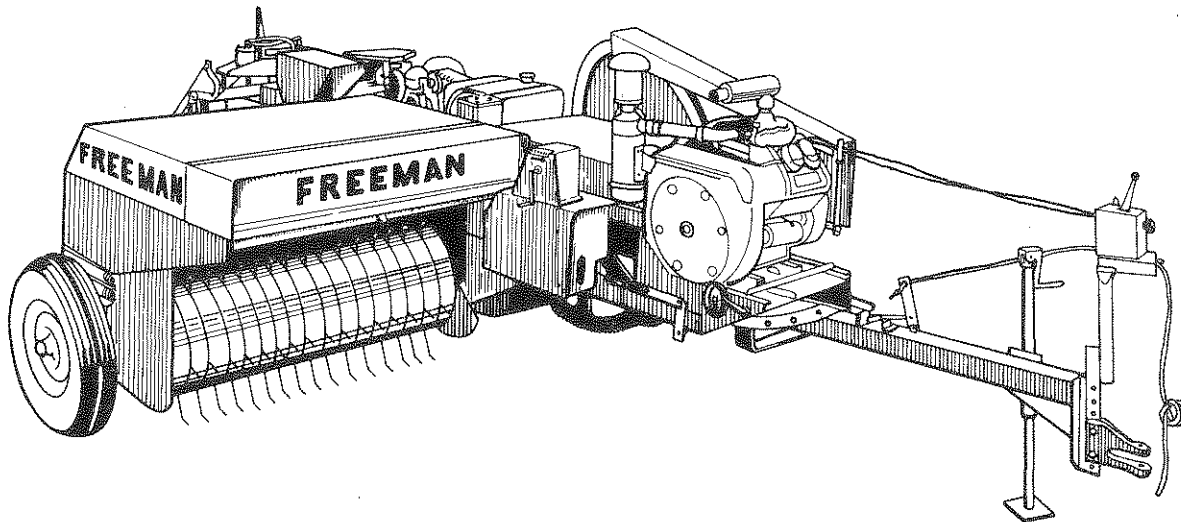


1976-77

# PARTS LIST

for

## Model 200



### POLICY

1. It is the policy of J.A. Freeman & Son, Inc. to constantly improve its products whenever it is practical to do so.
2. J.A. Freeman & Son, Inc. reserve the right to redesign or change its equipment or component parts thereof without incurring any obligation to install or furnish such changes on equipment previously delivered.
3. Unauthorized changes or additions to equipment manufactured by J.A. Freeman & Son, Inc. relieves the company of further responsibility for warranted operation and breakage replacement.

## INSTRUCTIONS FOR ORDERING PARTS

1. Order by part number and description of part.
  - (a) Parts should NOT be ordered from illustration only.
  - (b) Parts should NOT be ordered from numbers on castings.
2. Order by baler serial number and model.
3. Much delay and confusion can be avoided if parts numbers are arranged in sequence on all orders.
4. State how to ship: whether by truck, stage, parcel post, air parcel post, UPS, or air freight.
5. Claims for shortage or error in handling of an order for parts must be made upon receipt of goods.
6. Address all orders for parts as follows:

J.A. Freeman & Son, Inc.  
Parts Department,  
2034 N.W. 27th Avenue,  
Portland, Oregon 97210

Place serial number of machine here for your convenience:

Baler Serial No. \_\_\_\_\_

Motor Serial No. \_\_\_\_\_

Left and right of machine are understood to mean from a position facing in the direction of travel.

Permission must be secured before any parts are returned for credit. When parts are returned, the freight must be prepaid or arrangements made so that they can be brought in by our trucks.

### "NOTE"

Parts are identified by reference numbers. See parts list for correct part numbers. DO NOT USE REFERENCE NUMBERS AS PART NUMBERS.

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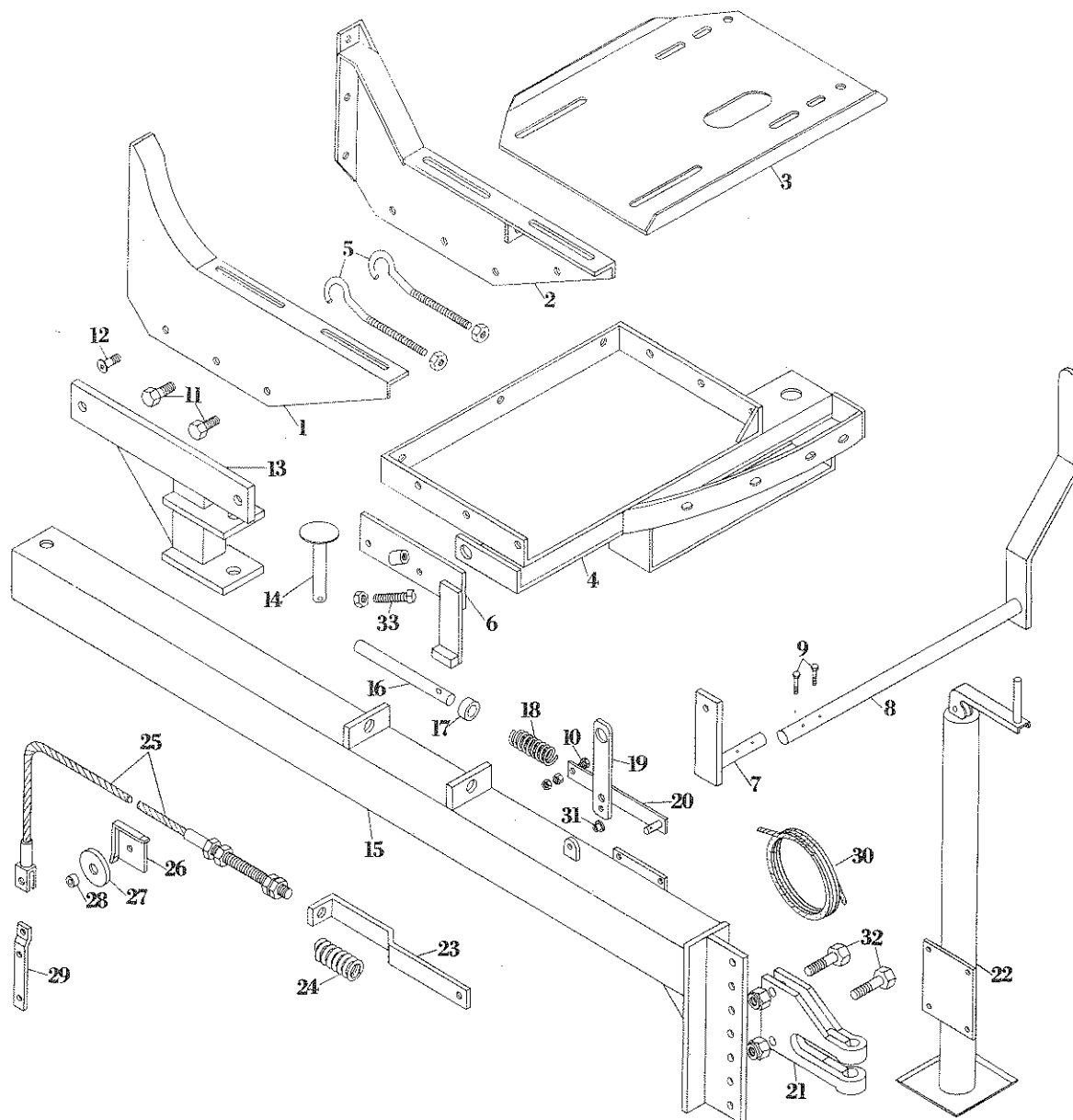
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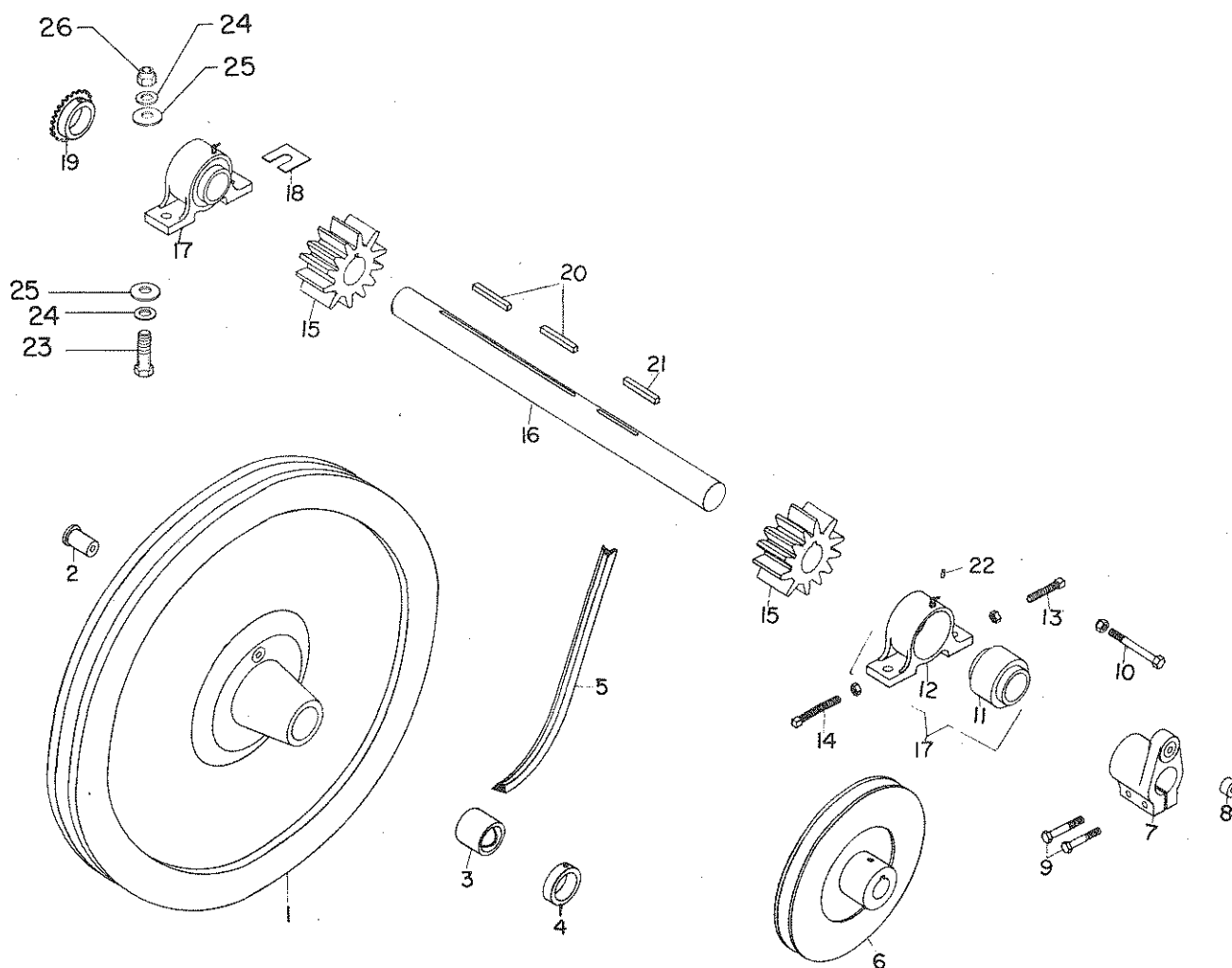
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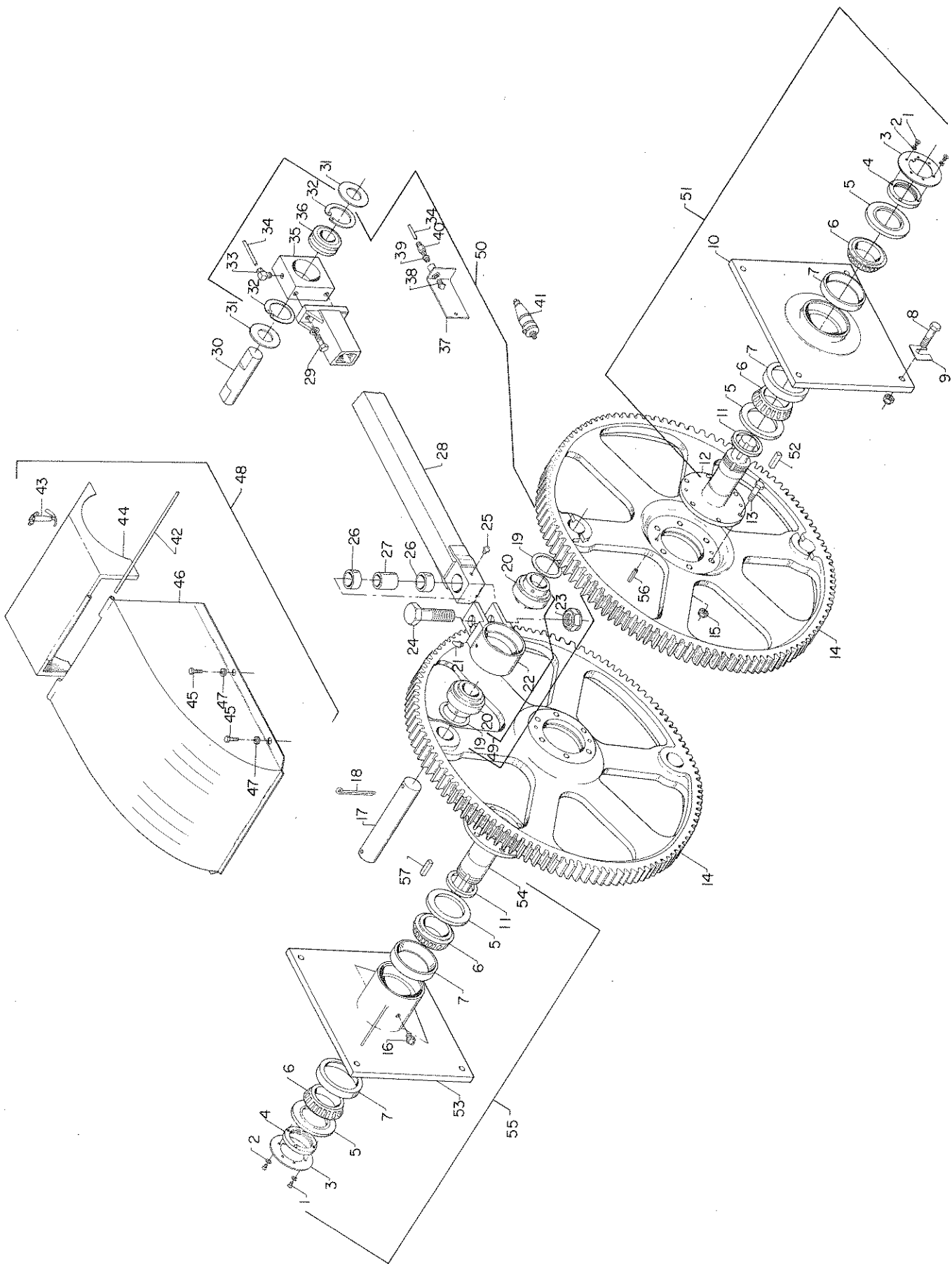
## DRAWBAR AND ENGINE MOUNT

| REF. NO. | PART NO. | DESCRIPTION                          | REF. NO. | PART NO. | DESCRIPTION                               |
|----------|----------|--------------------------------------|----------|----------|-------------------------------------------|
| 1        | F7847    | Engine mount, R.H.                   | 20       | F7795    | Link, drawbar locking pin                 |
| 2        | F7800    | Engine mount, L.H.                   | 21       | F183     | Front end hitch                           |
| 3        | F7707    | Engine base plate                    | 22       | F7430    | Front end jack complete for engine balers |
| 4        | F7280    | Hitch base plate                     |          | F878     | Jack handle assembly                      |
| 5        | F7010    | Engine adjusting bolt, 2 used        |          | F1605    | Ram only for jack                         |
| 6        | F7682    | Pickup lift lever stop bracket       |          | F1607    | Thrust bearing for jack                   |
| 7        | F7681    | Pickup lift crank                    |          | F7567    | Cable connecting link for cushion spring  |
| 8        | F7281    | Pickup lift lever                    | 23       | F7567    | Cable connecting link for cushion spring  |
| 9        |          | 1/4" x 1 1/4" N.C. cap screw         | 24       | F7566    | Cushion spring (pickup cable)             |
| 10       |          | 1/2" x 2" N.C. cap screw             | 25       | F7565    | Pickup lift cable with ends               |
| 11       |          | 1/2" x 1 1/4" N.F. cap screw         | 26       | F7590    | Sheave clip, pickup lift roller           |
| 12       |          | 1/2" x 1 1/4" button head bolt       | 27       | F8192    | Cable pulley for pickup lift              |
| 13       | F7007    | Pivot pin bracket                    | 28       | F8193    | Bushing for F8192 roller                  |
| 14       | F7006    | Drawbar pivot pin                    | 29       | F7194    | Pickup lift bracket                       |
| 15       | F7001    | Drawbar for engine baler             | 30       | F7005    | Rope, drawbar pin, 9'                     |
|          | F8307    | Drawbar, long, optional              | 31       | F440     | Ferrule for F7283 lever                   |
| 16       | F7002    | Drawbar locking pin                  | 32       |          | 5/8" x 2 1/2" N.C. cap screw              |
| 17       | F7004    | Set collar, drawbar locking pin      | 33       |          | 1/2" x 1 1/2" square head set screw       |
| 18       | F7003    | Spring, drawbar locking pin          |          |          |                                           |
| 19       | F7283    | Actuating lever, drawbar locking pin |          |          |                                           |



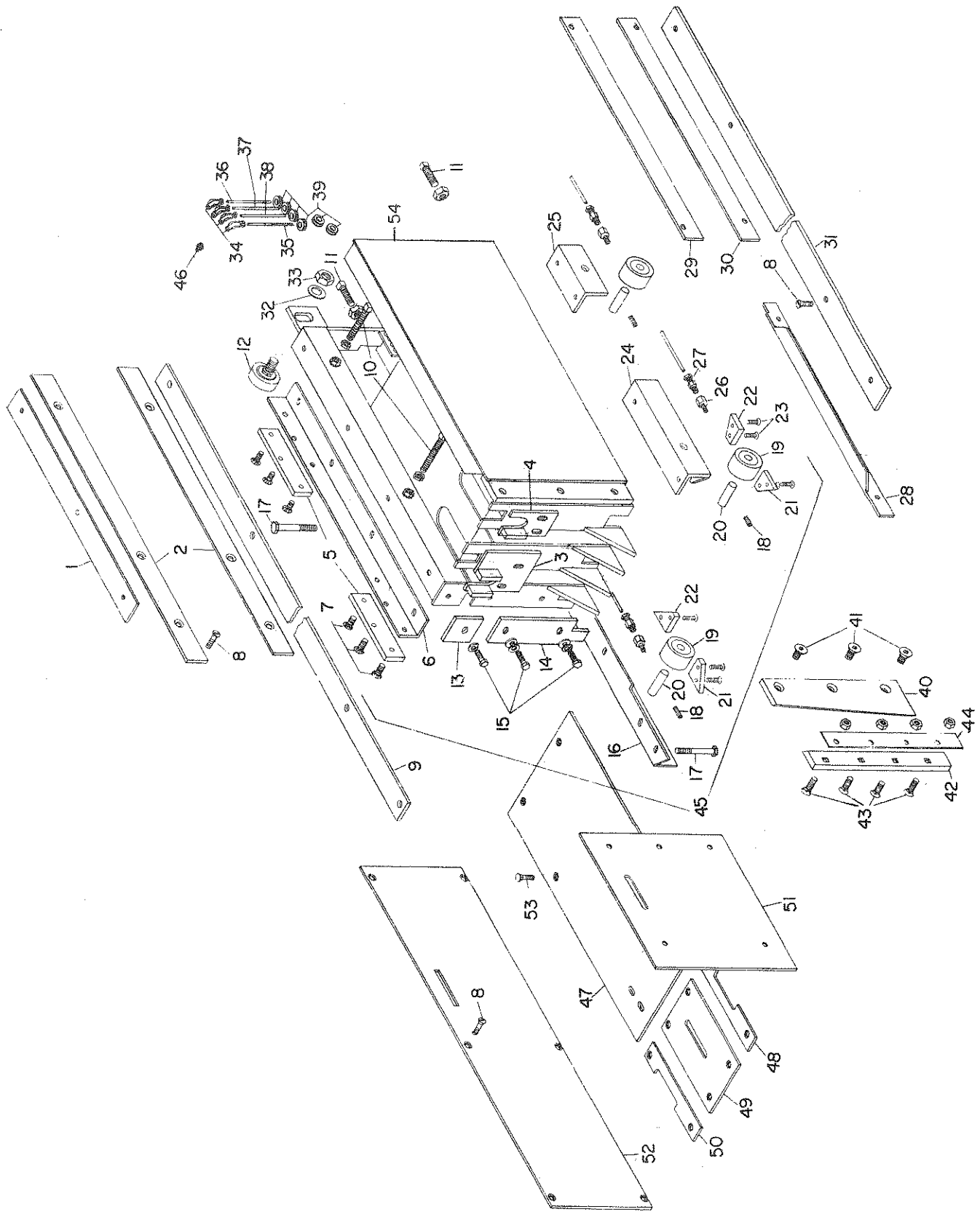
### FLYWHEEL AND PINION SHAFT ASSEMBLY

| REF. NO. | PART NO. | DESCRIPTION                                          | REF. NO. | PART NO. | DESCRIPTION                                           |
|----------|----------|------------------------------------------------------|----------|----------|-------------------------------------------------------|
| 1        | F7704    | Flywheel with bushings, motor drive                  | 13       | F498     | Set screw for F34 bearings, rear, 1/2" x 2" (2 used)  |
|          | F1613    | Flywheel with bushings, PTO drive                    | 14       | F73      | Set screw for F34 bearings, front, 1/2" x 4" (2 used) |
| 2        | F1614    | Shear bushing in flywheel, flanged                   | 15       | F7437    | Pinion gear, 12 tooth                                 |
| 3        | F886     | Bushing for F7704 and F1613 flywheel                 | 16       | F7285    | Pinion shaft                                          |
| 4        | F221     | Set collar, pinion shaft, 2-1/8"                     | 17       | F34      | Bearing complete for pinion shaft, (2 used)           |
| 5        | F7000    | Drive belt, D165, for VG4D and V465D engine          | 18       | F967     | Shim for F34 bearing, 16 ga.                          |
|          | F7337    | Drive belt, D162, for PTO                            |          | F967A    | Shim for F34 bearing, 20 ga.                          |
| 6        | F7014    | Motor pulley 10" OD for VG4D 1-7/16" bore            |          | F967B    | Shim for F34 bearing, 10 ga.                          |
|          | F7699    | Motor pulley, 10" OD for V465D 1 3/4" bore           | 19       | FT557    | Sprocket, drive for hydraulic pump                    |
| 7        | F817     | Shear hub for flywheel                               | 20       | F7488    | Tapered key for pinions, 3 1/2", 2 used               |
| 8        | F1132    | Shear bushing in flywheel shear hubs                 | 21       | F72      | Key for shear hub, 1/2" x 1/2" x 3 1/2"               |
| 9        |          | 1/2" x 3 1/4" heat treated cap screws with lock nuts | 22       | F1721    | Lock pin for F698 bearing insert                      |
| 10       | F7015    | Shear bolt, 1/2" x 5" N.C. grade 2 bright cap screw  | 23       |          | 5/8" x 2 1/2" N.C. cap screw                          |
| 11       | F698     | Bearing insert for F765 cage                         | 24       | WAS105   | 5/8" structural washer                                |
| 12       | F765     | Bearing cage for F34 bearing                         | 25       |          | 5/8" flat washer                                      |
|          |          |                                                      | 26       |          | 5/8" N.C. fiber lock nut                              |



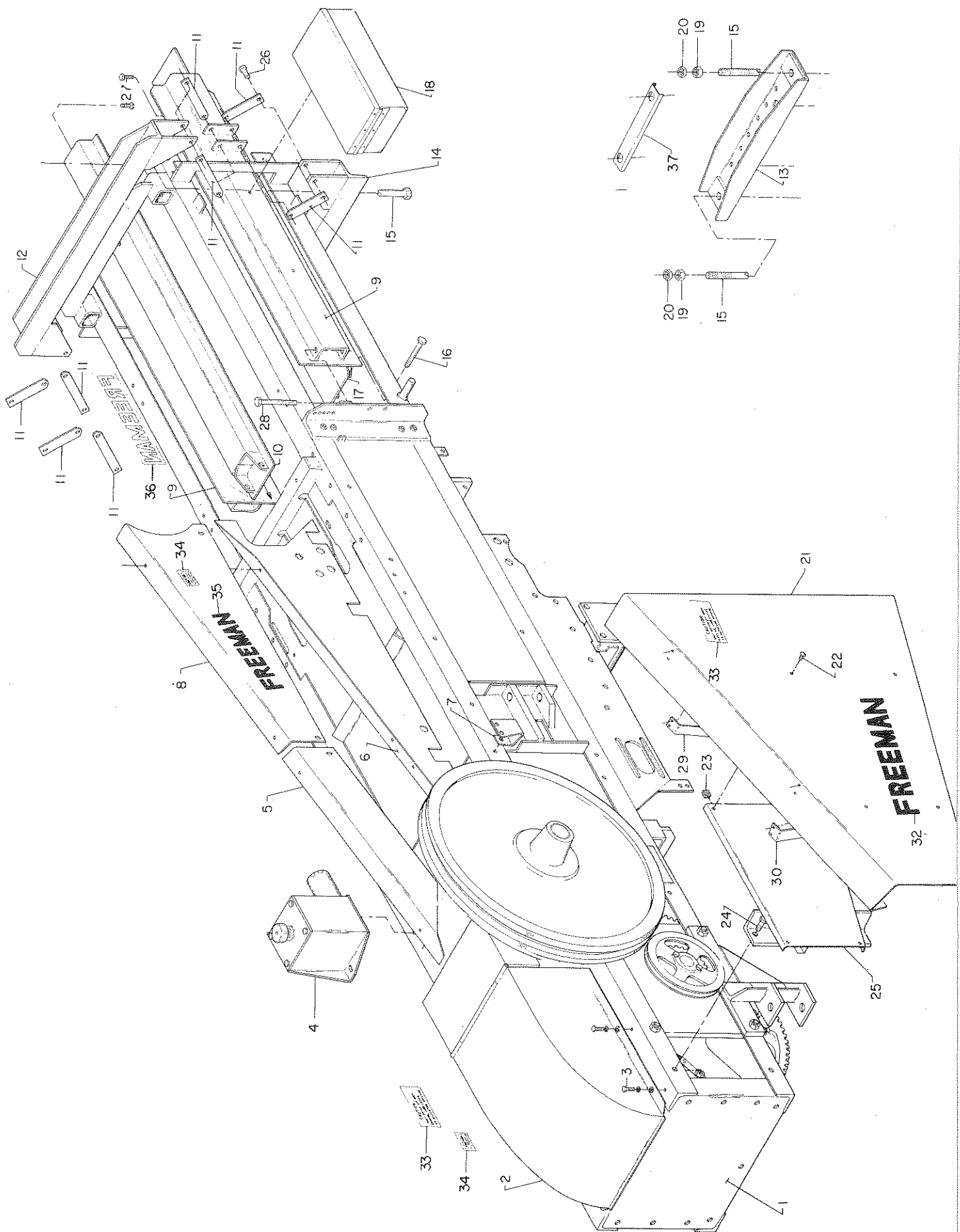
# BULL GEAR AND PLUNGER CONNECTING ROD ASSEMBLY

| REF. NO. | PART NO. | DESCRIPTION                                                  |
|----------|----------|--------------------------------------------------------------|
| 1        | F7039    | Screw for locking washer, 8-32X, 1/2" H.H. cap screw, 8 used |
| 2        | F7040    | Lock washer for F7039 screw, No. 8 medium, 8 used            |
| 3        | F7038    | Locking washer                                               |
| 4        | F7037    | Adjusting nut for side plate bearing                         |
| 5        | F7035    | Seal for side plate, No. 255833, 4 used                      |
| 6        | F7033    | Bearing for side plate, No. 33287, 4 used                    |
| 7        | F7034    | Bearing cup for side plate, No. 33462, 4 used                |
| 8        |          | 5/8" x 3" N.F. cap screw, 8 used                             |
| 9        | F967     | Shim, 16 ga.                                                 |
|          | F967A    | Shim, 20 ga.                                                 |
|          | F967B    | Shim, 10 ga.                                                 |
| 10       | F7462    | Side plate, L.H. with bearing cups                           |
| 11       | F7036    | Seal race                                                    |
| 12       | F7032    | Shaft, knotter drive                                         |
| 13       |          | 1/2" x 2 1/4" N.C. cap screw, 12 used                        |
| 14       | F7438    | Bullgear, 88 tooth, 2 used                                   |
| 15       |          | 1/2" N.C. fiber locknut, 12 used                             |
| 16       | F1661    | Hydraulic shut-off fitting, 2 used                           |
| 17       | F46      | Crank pin gear end                                           |
| 18       | F55      | Key for crank pin, 2 used                                    |
| 19       |          | 1-15/16" machinery bushing, 14 ga., as required              |
| 20       | F8100    | Bearing for F8229 connecting rod, GN115KLL, 2 used           |
|          | F8385    | Bearing only, GN115KLL                                       |
|          | F8386    | Locking collar only, SN115K                                  |
| 21       |          | 1/4" - 28 x 90° grease fitting                               |
| 22       | F8114    | Connecting rod end housing only, bullgear end                |
| 23       | F8080    | 1 1/4" N.F. elastic stop nut                                 |
| 24       | F8079    | Pivot pin for swivel end                                     |
| 25       |          | 1/4" - 28 x 45° grease fitting                               |
| 26       | F8077    | Steel bushing, connecting rod swivel end, IR2916, 2 used     |
| 27       | F8078    | Steel bushing                                                |
| 28       | F8076    | Connecting rod                                               |
| 29       |          | 1/2" x 1 1/4" N.C. grade 8 cap screw                         |
| 30       | F7914    | Plunger pin                                                  |
| 31       |          | Washer, 1 1/4" x 2 1/2", 10 ga.                              |
|          |          | Washer, 1 1/4" x 2 1/2", 14 ga.                              |
|          |          | Washer, 1 1/4" x 2 1/2", 18 ga.                              |
| 32       | F7917    | Snap ring                                                    |
| 33       | F1441    | Elbow for connecting rod grease rube, 889L Imp.              |
|          | F8312    | Sleeve for F1441                                             |
| 34       | F7545    | Grease tube, 1/4", plunger pin to F8263 bracket, 7"          |
| 35       | F8075    | Connecting rod end housing, plunger end, complete w/bearing  |
| 36       | F7916    | Bearing for connecting rod end housing                       |
| 37       | F8263    | Bracket for grease tube on connecting rod                    |
| 38       | F7651    | Grease fitting on connecting rod, 2 used                     |
| 39       | F7418    | 1/4" x 1/8" pipe reducer bushing                             |
| 40       | F778     | Connector, grease tube, No. 308808                           |
|          | F8055    | Sleeve for F778, No. 31226                                   |
| 41       | F7543    | Spring loaded grease cup                                     |
| 42       | F7630    | Bullgear shield, hinge pin                                   |
| 43       | F853     | Latch                                                        |
| 44       | F7632    | Bullgear shield, access door                                 |
| 45       |          | 1/4" x 1 1/4" N.C. cap screw, 4 used                         |
| 46       | F7628    | Bullgear shield, less access door                            |
| 47       | F7550    | Rubber grommet, 4 used                                       |
| 48       | F7549    | Bullgear shield complete with door                           |
| 49       | F8099    | Connecting rod end housing complete w/bearing, bullgear end  |
| 50       | F8101    | Connecting rod complete with ends                            |
| 51       | F7463    | Side plate L.H. w/bearing & shaft                            |
| 52       | F225     | Key, knotter drive shaft, 1/2" x 1/2" s 2"                   |
| 53       | F7354    | Side plate, R.H. with bearing cups                           |
| 54       | F7031    | Shaft, feed fork drive, -76                                  |
|          | SHF7093  | Shaft, feed fork drive, 77-                                  |
| 55       | F7358    | Side plate, R.H. with bearing and shaft, -76                 |
|          | PLT7573  | Side plate, R.H. with bearing and shaft, 77-                 |
| 56       | F7239    | Roll pin, 3/8" x 1 1/2"                                      |
| 57       | F226     | Key, feed arm drive shaft, 1/2" x 1/2" x 2 1/4", -76         |
|          | ZZ425    | Key, feed arm drive shaft, 5/8" x 5/8" x 2 1/4", 77-         |



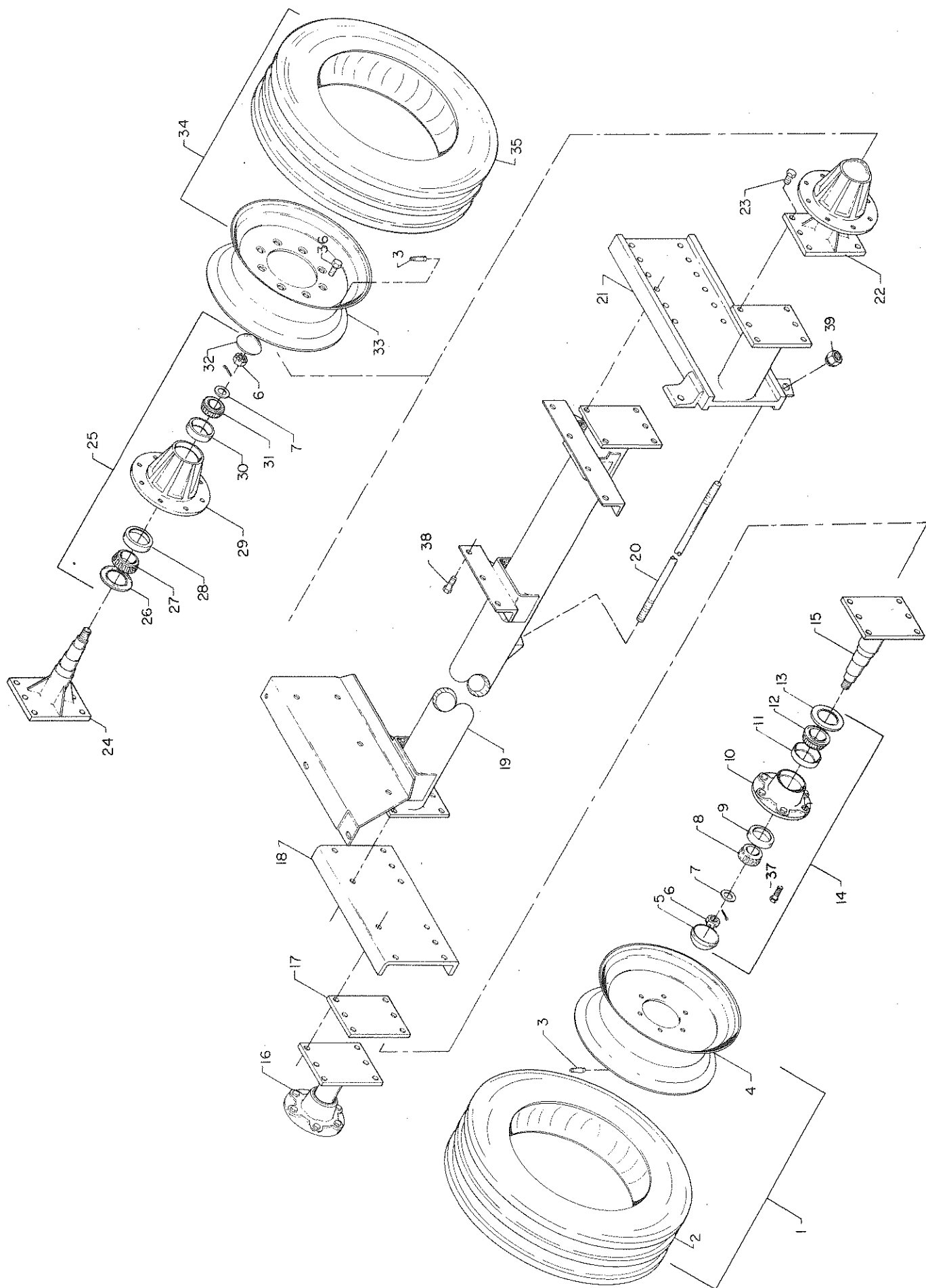
# PLUNGER ASSEMBLY

| REF. NO. | PART NO. | DESCRIPTION                                                   | REF. NO. | PART NO. | DESCRIPTION                                     |
|----------|----------|---------------------------------------------------------------|----------|----------|-------------------------------------------------|
| 1        | F7837    | Plunger roller rail, top L. H.                                | 24       | F773     | Roller mounting angle, R.H. rear                |
| 2        | F7763    | Plunger guide rail, top and bottom                            | 25       | F772     | Roller mounting angle, R.H. front               |
| 3        | F8117    | Adjusting pad for plunger face, center                        | 26       | F777     | Adapter for grease tube, 4 used                 |
| 4        | F8116    | Adjusting pad for plunger face, R.H.                          | 27       | F778     | Connector for grease tube, 4 used               |
| 5        | F1537    | Hard slide for roller plunger, 4 used                         | 28       | F7439    | Knife guide under feed opening                  |
| 6        | F7766    | Hard slide mounting rail, L.H. top                            | 29       | F299     | Plunger slide, flat, upper R.H. side            |
| 7        |          | 5/16" x 3/4" flat head socket cap screw, 12 used              | 30       | F298     | Plunger slide, flat, lower R.H. side            |
| 8        |          | 5/16" x 1" F.H. machine screw for plunger rail                | 31       | F7840    | Plunger roller rail, R.H. bottom                |
|          |          | 5/16" x 1 1/2" F.H. machine screw for plunger rail            | 32       |          | 3/4" flat washer                                |
|          |          | 5/16" x 1 1/2" F.H. machine screw for plunger rail            | 33       |          | 3/4" N.C. nut                                   |
| 9        | F7839    | Plunger roller rail, L.H. bottom                              | 34       | F1441    | Elbow, grease tube, 4 used                      |
| 10       |          | 1/2" x 4" square head set screw, top rail, 2 used             | F8312    |          | Sleeve for F1441                                |
|          |          | 1/2" x 2 1/2" square head set screw, bottom rail, 2 used      | F780     |          | Grease tube, right rear, 36"                    |
| 11       |          | 3/4" x 1 1/4" square head set screw, 2 used, plunger pin lock | F781     |          | Grease tube, left front, 14"                    |
| 12       | F1636    | Roller for top of plunger, 3/4" shank                         | F779     |          | Grease tube, left rear, 30"                     |
| 13       | F7769    | Adjusting pad for plunger face, top left                      | F779     |          | Grease tube, right front, 30"                   |
| 14       | F7777    | Adjusting pad for plunger face, L.H.                          | F7735    |          | Grommet, grease tube protector, 6 used          |
| 15       |          | 3/8" x 1" N.C. cap screw, 3 used                              | F7764    |          | Plunger knife                                   |
| 16       | F8082    | Roller and slide mounting angle, L.H. bottom                  | F227     |          | Bolt for plunger knife, 3 used                  |
| 17       |          | 3/8" x 3/4" N.C. cap screw, 12 used                           | F1609    |          | Knife, stationary with square holes             |
| 18       |          | 5/16" x 5/16" Allen head set screw, 4 used                    | F1629    |          | Bolt for F1609 knife, 4 used                    |
| 19       | F775     | Roller for plunger, 4 used                                    | F751     |          | Shim for F1609 knife, 14 ga.                    |
| 20       | F776     | Pin, plunger roller, 4 used                                   | F1512    |          | Shim for F1609 knife, 20 ga.                    |
| 21       | F986     | Wiper, rear, 2 used                                           | F8115    |          | Plunger complete, less knife                    |
| 22       | F774     | Wiper, front, 2 used                                          | 46       |          | 1/8" P.T. grease fitting                        |
| 23       |          | 1/4" x 3/4" F.H. machine screw, 8 used                        | F8266    |          | Bale chamber bottom                             |
|          |          |                                                               | F7809    |          | Liner extension for bale chamber bottom, R.H.   |
|          |          |                                                               | F7810    |          | Liner extension for bale chamber bottom, center |
|          |          |                                                               | F7811    |          | Liner extension for bale chamber bottom L.H.    |
|          |          |                                                               | F7220    |          | Liner for bale chamber side, R.H.               |
|          |          |                                                               | F7759    |          | Liner for bale chamber, L.H., 16" chamber       |
|          |          |                                                               |          |          | 3/8" x 1 1/4" No. 3 plow bolt                   |
|          |          |                                                               |          |          | 3/8" x 1 1/2" No. 3 plow bolt                   |
|          |          |                                                               | F8359    |          | Plunger frame only, 16" x 18"                   |



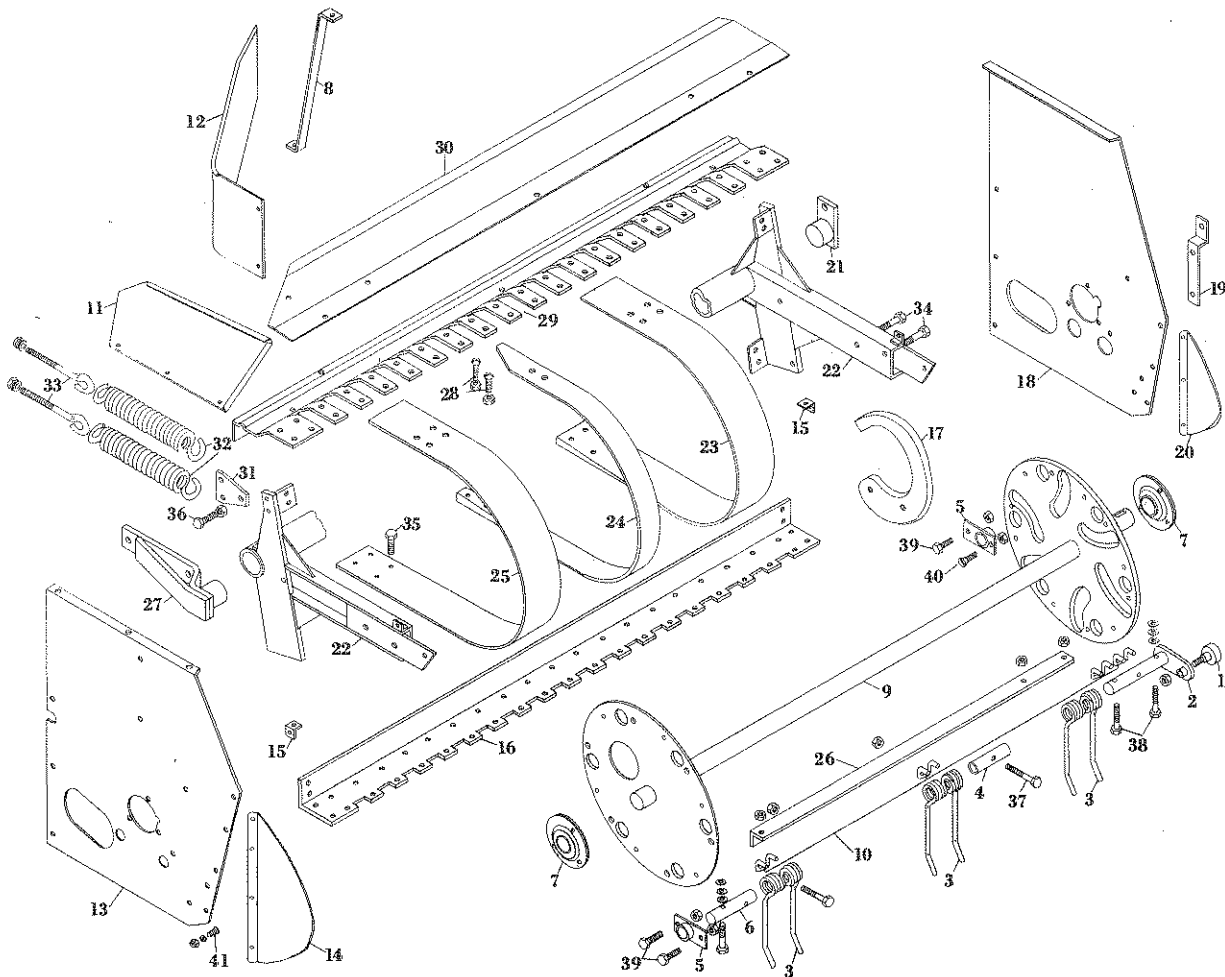
## BALE CHAMBER

| REF.<br>NO. | PART<br>NO. | DESCRIPTION                                              |
|-------------|-------------|----------------------------------------------------------|
| 1           | F8355       | Bale chamber frame, 16" x 18"                            |
| 2           | F7549       | Bullgear shield complete                                 |
| 3           |             | ½" x 1¼" N.C. cap screw                                  |
| 4           | FT560       | Tension control pump assembly                            |
| 5           | F8152       | Front knotter chain shield                               |
| 6           | F8156       | Inner chain shield, wire                                 |
|             | F8377       | Inner chain shield, twine                                |
| 7           | F8153       | Chain shield center bracket                              |
| 8           | F8155       | Shield, knotter drive chain                              |
| 9           | F8125       | Side tension rail, -76, 2 used                           |
|             | TNS7040     | Side tension rail, 77-, 2 used                           |
|             | TNS7057     | Side tension rail, 12" longer, 77-, 2 used               |
|             | TNS7056     | Side tension rail, 18" longer, 77-, 2 used               |
| 10          | F8300       | Top tension rail, -76, 2 used                            |
|             | TNS6949     | Top tension rail, 77-, 2 used                            |
|             | TNS69450    | Top tension rail, 12" longer, 77-, 2 used                |
|             | TNS69451    | Top tension rail, 18" longer, 77-, 2 used                |
| 11          | F497        | Flat linkage bar, -76, 8 used                            |
|             | TNS7514     | Flat linkage bar, 77-, 8 used                            |
| 12          | F8299       | Top tension angle, 16" x 18" chamber, -76                |
|             | TNS7120     | Top tension angle, 16" x 18" chamber, 77-                |
| 13          | FT214       | Cylinder frame                                           |
| 14          | F8122       | Bottom tension angle, 16" x 18" chamber, -76             |
|             | TNS7119     | Bottom tension angle, 16" x 18" chamber, 77-             |
| 15          | F600        | Tension bolt, ¾" x 27¼", 2 used                          |
| 16          |             | ½" x 4" N.C. cap screw, 4 used                           |
| 17          | F7294       | Bottom tension rail, -76, 2 used                         |
|             | TNS6950     | Bottom tension rail, 77-, 2 used                         |
|             | TNS69480    | Bottom tension rail, 12" longer, 77-, 2 used             |
|             | TNS69481    | Bottom tension rail, 18" longer, 77-, 2 used             |
| 18          | BOX7161     | Tool box, 77-                                            |
| 19          |             | ¾" N.C. nut                                              |
| 20          |             | ¾" N.C. jam nut                                          |
| 21          | F8350       | Drive belt shield                                        |
| 22          |             | ½" x ¾" round head machine screw, 4 used                 |
| 23          |             | Clip nut, ½"                                             |
| 24          |             | ½" x 1½" N.C. cap screw, 2 used                          |
| 25          | F7737       | Bracket, drive belt shield w/battery box                 |
| 26          |             | ½" x 1¼" N.C. grade 5 cap screw, tension linkage, 8 used |
| 27          |             | 3/8" x 1½" N.C. cap screw, 4 used                        |
| 28          |             | ½" x 5½" N.C. cap screw, side tension rail, 2 used       |
| 29          | F8349       | Rear brace, drive belt shield                            |
| 30          | F8352       | Front brace, drive belt shield                           |
| 31          | F7550       | Rubber grommet, 4 used                                   |
| 32          | FD7114      | Freeman decal, red                                       |
| 33          | FD8         | Caution decal                                            |
| 34          | FD6         | Caution decal                                            |
| 35          | FD7112      | Freeman decal, red                                       |
| 36          | FD7111      | Freeman decal, white                                     |
| 37          | FT228       | Receptical for dual ram                                  |



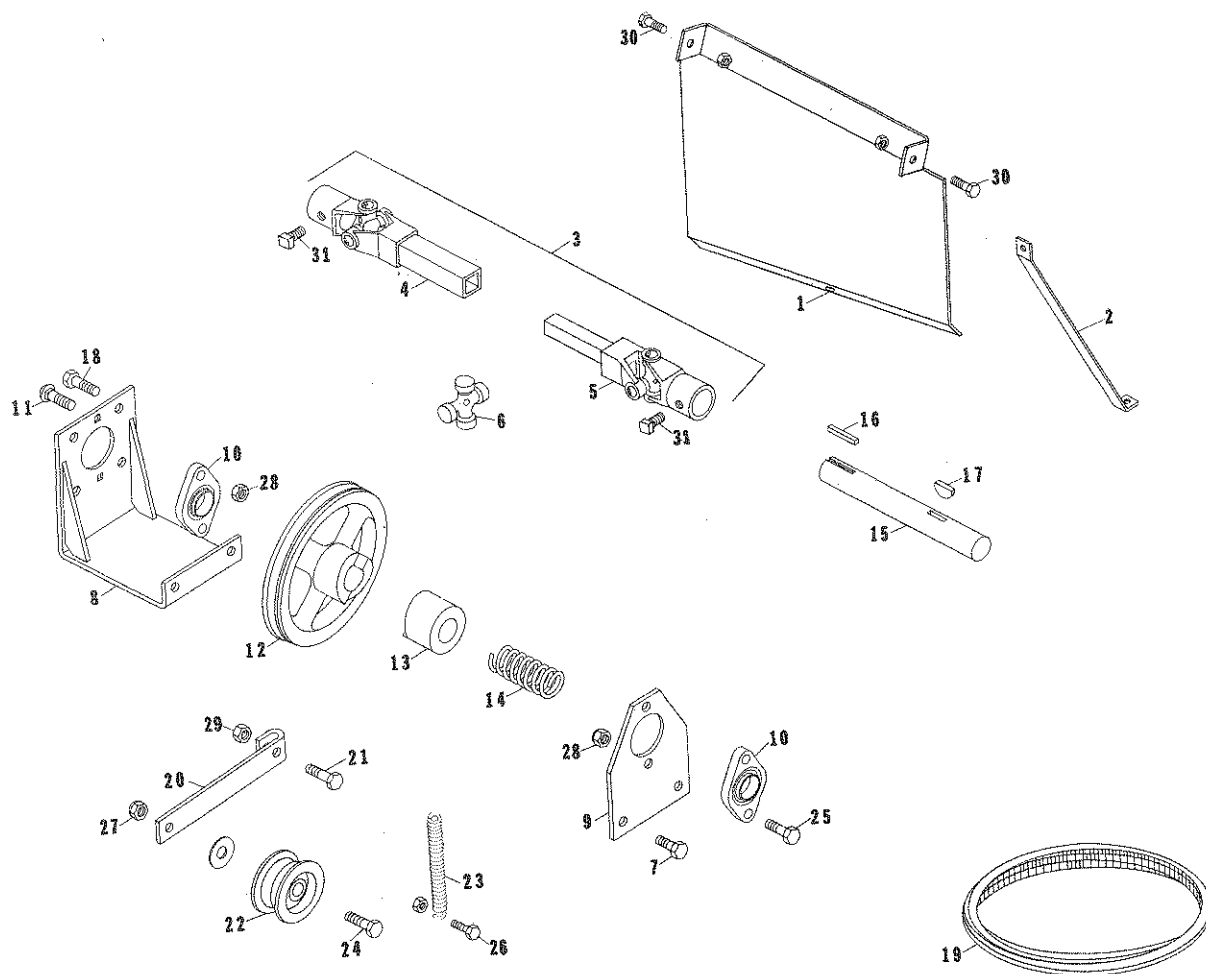
## AXLE ASSEMBLY

| REF.<br>NO. | PART<br>NO. | DESCRIPTION                                                                                                                                       |
|-------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 1           | F8005       | Drop center wheel with 4-ply tire mounted, R.H. 6-hole                                                                                            |
|             | F8030       | Flotation wheel with 11L-15 6-ply tire mounted, R.H.                                                                                              |
| 2           | F212        | Tire, 7:50 x 16, 4-ply implement                                                                                                                  |
|             | F8028       | Flotation tire, 11L-15, 6-ply                                                                                                                     |
| 3           | 19-109      | Valve stem, TR 415                                                                                                                                |
| 4           | F8004       | Wheel, 6-hole, drop center                                                                                                                        |
|             | F8013       | Flotation wheel, 6-hole                                                                                                                           |
| 5           | F8014       | Hub cap                                                                                                                                           |
| 6           | F7999       | Nut for spindle                                                                                                                                   |
| 7           | F7998       | Washer for spindle                                                                                                                                |
| 8           | F8012       | Outer wheel bearing cone, LM67048                                                                                                                 |
| 9           | F8011       | Outer wheel bearing cup, LM67010                                                                                                                  |
| 10          | F8344       | Hub with cups, R.H. side, 6-hole, Q888                                                                                                            |
| 11          | F8345       | Inner wheel bearing cup, JL69310                                                                                                                  |
| 12          | F8346       | Inner wheel bearing cone, JL69349                                                                                                                 |
| 13          | F8010       | Grease retainer                                                                                                                                   |
| 14          | F8347       | Single wheel hub w/bearings for 6-hole wheel less spindle, R.H.                                                                                   |
| 15          | F8343       | Spindle, R.H. side                                                                                                                                |
| 16          | F8348       | Single wheel hub with spindle complete, R.H. side                                                                                                 |
| 17          | F7636       | Spacer                                                                                                                                            |
| 18          | F7756       | Mounting channel, R.H. wheel                                                                                                                      |
| 19          | F7751       | Tubular axle                                                                                                                                      |
| 20          | RD70861     | Tandem axle truss rod                                                                                                                             |
| 21          | F7757       | Tandem wheel plate, L.H.                                                                                                                          |
|             | PLT7318     | Tandem wheel plate, L.H., flotation                                                                                                               |
| 22          | F8003       | Single wheel hub with spindle complete, L.H.                                                                                                      |
| 23          | F7758       | Bolt for spindle, 5/8" x 1-7/8" NFHT                                                                                                              |
| 24          | F7991       | Spindle for F7992 hub, L.H. side, 8-hole                                                                                                          |
| 25          | F8002       | Single wheel hub with bearings for 8-hole wheel less spindle, L.H.                                                                                |
| 26          | F7995       | Grease retainer for F7992 hub                                                                                                                     |
| 27          | F7994       | Inner wheel bearing cone for F7992 hub, No. 25590                                                                                                 |
| 28          | F7993       | Inner wheel bearing cup for F7992 hub, No. 25520                                                                                                  |
| 29          | F7992       | Hub with cups, L.H. side, Q778                                                                                                                    |
| 30          | F7996       | Outer wheel bearing cup for F7992 hub, No. 25821                                                                                                  |
| 31          | F7997       | Outer wheel bearing cone for F7992 hub, No. 25877                                                                                                 |
| 32          | F8000       | Hub cap for F7992 hub                                                                                                                             |
| 33          | F7989       | Wheel, 8-hole, drop center, for F7992 hub, L.H.                                                                                                   |
|             | F8184       | Flotation wheel, 8-hole for F7992 hub, L.H.                                                                                                       |
| 34          | F7990       | Drop center single wheel with 8-ply tire mounted, L.H., 8-hole                                                                                    |
|             | F8183       | Flotation wheel with 11L-15 6-ply tire mounted, L.H.                                                                                              |
| 35          | F213        | Tire, 7:50 x 16, 8-ply implement                                                                                                                  |
|             | F8028       | Flotation tire, 11L-15, 6-ply                                                                                                                     |
| 36          | F8001       | Lug bolt                                                                                                                                          |
| 37          | F8072       | Lug bolt                                                                                                                                          |
| 38          |             | 1/2" x 1 1/2" N.C. cap screw                                                                                                                      |
| 39          | NMS7125     | Truss rod nut, 2 used                                                                                                                             |
|             | F8018       | Tandem wheel assembly, L.H. side to replace single assembly. Including one F7757 plate, one F8003 hub and spindle, and one F7990 wheel and tire.  |
|             | F8019       | Tandem wheel assembly complete. L.H. side, including one F7757 plate, two F8003 hub and spindle, two F7990 wheel and tire.                        |
|             | F8020       | Tandem wheel assembly, R.H. side, to replace single assembly. Including one F7757 plate, one F8348 hub and spindle, and one F8005 wheel and tire. |
|             | F8021       | Tandem wheel assembly complete, R.H. side, including one F7757 plate, two F8348 hub and spindle, two F8005 wheel and tire.                        |



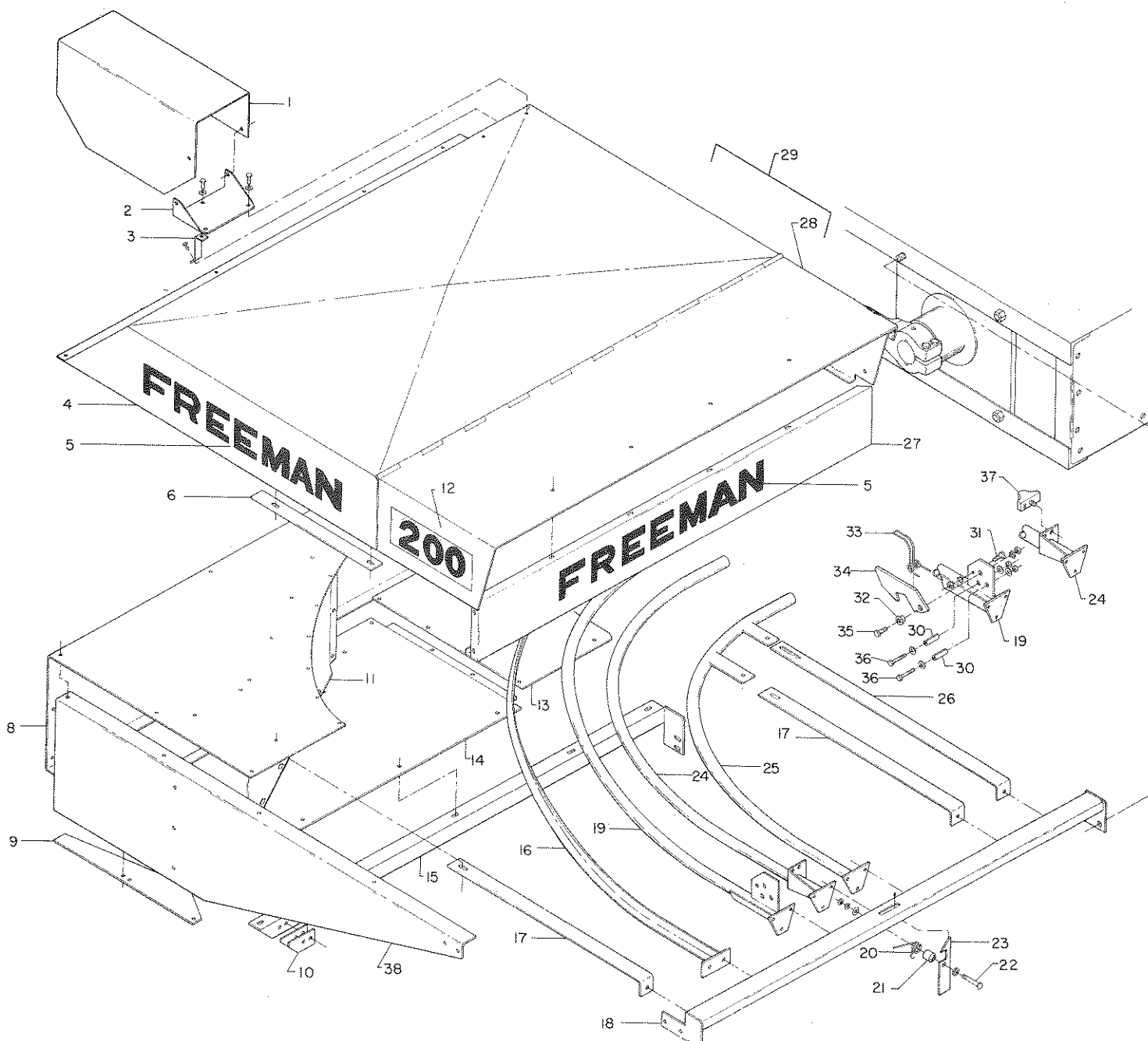
### PICKUP CYLINDER ASSEMBLY

| REF. NO. | PART NO. | DESCRIPTION                          | REF. NO. | PART NO. | DESCRIPTION                                                                |
|----------|----------|--------------------------------------|----------|----------|----------------------------------------------------------------------------|
| 1        | F7598    | Roller for F7597 cam lever           | 20       | F7151    | Fender flare, inside                                                       |
| 2        | F7599    | Cam lever only                       |          | F7356    | Fender flare extension, inside                                             |
|          | F7597    | Cam lever with roller, 6 used        | 21       | F7176    | Bearing, L.H., pickup mounting                                             |
| 3        | F1226    | Pickup finger, 6½" shank, 54 used    | 22       | F7177    | Pickup frame                                                               |
| 4        | F101     | Pickup finger guide pipe, 42 used    | 23       | F7732    | Stripper, inside                                                           |
| 5        | F7187    | Tooth bar bearing, 12 used           | 24       | F7734    | Stripper, center, 17 used                                                  |
| 6        | F98      | Pin, tooth bar, 6 used               | 25       | F7741    | Stripper, outside                                                          |
| 7        | F8102    | Bearing, pickup shaft                | 26       | F7186    | Tooth bar, 6 used                                                          |
|          | F8382    | Flangett with zerk, G72MSA           | 27       | F7382    | Bearing, R.H., pickup mounting,                                            |
|          | F8381    | Locking collar                       |          |          | 5/16" x 1" R.H. machine screw                                              |
|          | F8380    | Bearing only for F8102, GRA106NPPBC4 | 28       | F7730    | Top stripper bar, formed                                                   |
|          | F8383    | Flangett, G72MSB                     | 29       | F7731    | Pickup joint sheet                                                         |
| 8        | F8113    | Center brace for formed stripper bar | 30       | F7156    | Spring plate                                                               |
| 9        | F8103    | Pickup shaft with flanges            | 31       | F7154    | Spring for pickup balance, 2 used                                          |
| 10       | F100     | Pickup finger guide, 60 used         | 32       | F96      | Eyebolt for pickup balance spring, 2 used                                  |
| 11       | F7146    | Skirt for fender                     | 33       |          | ½" x 2½" N.C. cap screw                                                    |
| 12       | F7149    | Fender extension                     | 34       |          | 5/16" x ¾" N.C. cap screw                                                  |
| 13       | F7573    | Fender, outside                      | 35       |          | 7/16" x 1½" N.C. cap screw                                                 |
| 14       | F7148    | Fender flare, outside                | 36       |          | 5/16" x 2" NFHT cap screw                                                  |
|          | F7355    | Fender flare extension, outside      | 37       |          | 5/16" x 2¼" N.C. cap screw                                                 |
| 15       | F7193    | Fender mounting clip, 4 used         | 38       |          | 5/16" x 1" N.C. cap screw                                                  |
| 16       | F7180    | Bottom stripper bar                  | 39       |          | 5/16" x 1" CS machine screw                                                |
| 17       | F7190    | Pickup cam                           | 40       |          | ¼" x ½" R.H. machine screw                                                 |
| 18       | F7572    | Fender, inside                       | 41       |          |                                                                            |
| 19       | F7194    | Pickup lift bracket                  |          | F7760    | Pickup complete, less balance springs, lift bracket, and mounting bearings |



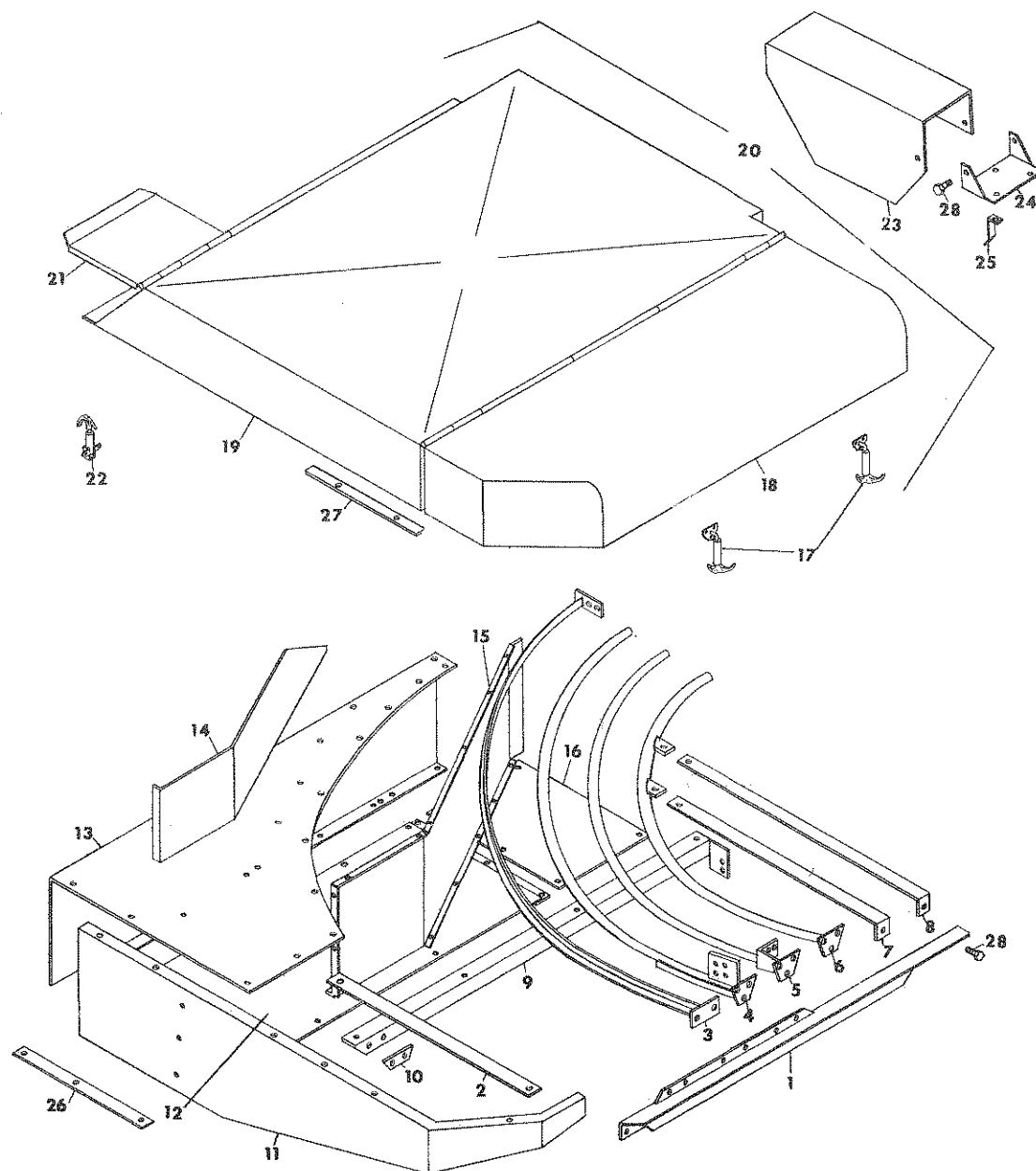
### PICKUP DRIVE

| REF. NO. | PART NO. | DESCRIPTION                           |
|----------|----------|---------------------------------------|
| 1        | F8267    | Pickup drive shaft shield             |
| 2        | F8163    | Brace for pickup drive shaft shield   |
| 3        | F8342    | Universal drive shaft complete        |
| 4        | F8340    | Universal with rectangular tube       |
| 5        | F8341    | Universal with rectangular shaft      |
| 6        | F8339    | Universal joint repair kit            |
| 7        |          | 3/8" x 1" N.C. cap screw, 2 used      |
| 8        | F8090    | Bearing mount bracket                 |
| 9        | F8091    | Bearing mount plate                   |
| 10       | F7063    | Bearing, 1-3/8"                       |
| 11       |          | 3/8" x 1 1/2" No. 3 plow bolt, 2 used |
| 12       | F8A      | Pickup driven sheave                  |
| 13       | F7       | Pickup clutch ring                    |
| 14       | F126     | Pickup clutch spring                  |
| 15       | F8092    | Pickup drive shaft                    |
| 16       | F122     | Key, 1/4" x 1/4" x 2 1/2"             |
| 17       | F83      | Woodruff key, 3/8" x 1 1/4"           |
| 18       |          | 1/2" x 1 1/2" N.C. cap screw, 4 used  |
| 19       | F7535    | Pickup drive belt, CX105              |
| 20       | F7546    | Pickup drive belt tightener bracket   |
| 21       |          | 1/2" x 2 1/4" N.C. cap screw          |
| 22       | F840     | Idler pulley, pickup belt tightener   |
| 23       | F129     | Spring, pickup belt tightener         |
| 24       |          | 1/2" x 2 1/2" N.C. cap screw          |
| 25       |          | 3/8" x 1 1/2" N.C. cap screw          |
| 26       |          | 5/16" x 1 1/2" N.C. cap screw         |
| 27       |          | 1/2" N.C. fiber lock nut              |
| 28       |          | 3/8" N.C. fiber lock nut              |
| 29       |          | 1/2" N.C. Jam nut                     |
| 30       |          | 5/16" x 1" N.C. cap screw             |
| 31       |          | 3/8" x 1" N.C. square head set screw  |



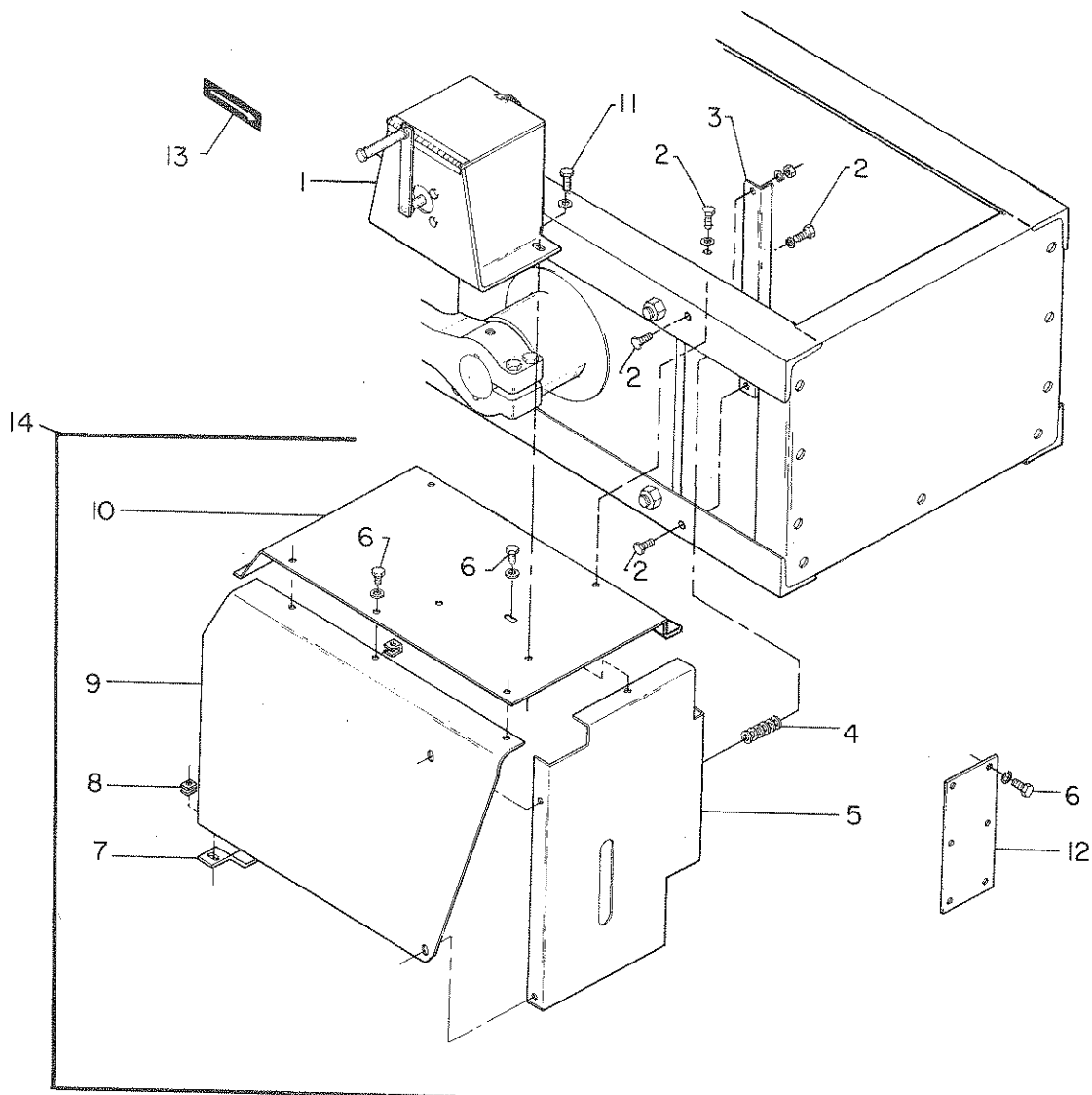
### PICKUP FEED HOUSE, 77-

| REF. NO. | PART NO. | DESCRIPTION                                | REF. NO. | PART NO. | DESCRIPTION                   |
|----------|----------|--------------------------------------------|----------|----------|-------------------------------|
| 1        | F8375    | Shield, Right side knottter drive arm      | 20       | SRG7095  | Latch spring                  |
| 2        | F7579    | Bracket, drive arm shield                  | 21       | 05-130   | Spacer                        |
| 3        | F7654    | Brace                                      | 22       |          | 5/16" x 2 1/2" N.C. cap screw |
| 4        | SHD7099  | Shield over pickup, rear                   | 23       | SHD7096  | Hood latch                    |
| 5        | FD7114   | Freeman decal, red, 2 used                 | 24       | F8261    | Guard pipe, center            |
| 6        | SHM7089  | Shim                                       | 25       | F7164    | Guard pipe, inside            |
| 7        | FH4907   | Feed house end plate                       | 26       | F7160    | Hay hold down, inside         |
| 8        | FH7088   | Feed house rear                            | 27       | SHD7077  | Face plate shield over pickup |
| 9        | F7714    | Feed house bottom shim                     | 28       | SHD7075  | Shield over pickup, front     |
| 10       | F7394    | Pickup stop                                | 29       | SHD7583  | Shield over pickup complete   |
| 11       | F7152    | Feed house back shield                     | 30       | F7275    | Roll pin, 1/2" x 2", 2 used   |
| 12       | FD7116   | Freeman decal                              | 31       | F7239    | Roll pin, 3/8" x 1 1/2"       |
| 13       | F7145    | Feed house bottom wear plate               | 32       | F7276    | Ferrule for F1563             |
| 14       | F7713    | Feed house bottom                          | 33       | F281     | Spring latch                  |
| 15       | F7157    | Angle brace for feed house bottom sheet    | 34       | F1563    | Catch for torque shaft        |
| 16       | F7299    | Guard angle                                | 35       |          | 7/16" x 1 1/2" NCHT cap screw |
| 17       | F7159    | Hay hold down, 2 used                      | 36       |          | 5/16" x 2 1/2" NC cap screw   |
| 18       | FH7118   | Guard pipe support                         | 37       | F8264    | Rubber Bumper                 |
| 19       | F7472    | Guard pipe, outside w/latch mounting plate |          |          |                               |



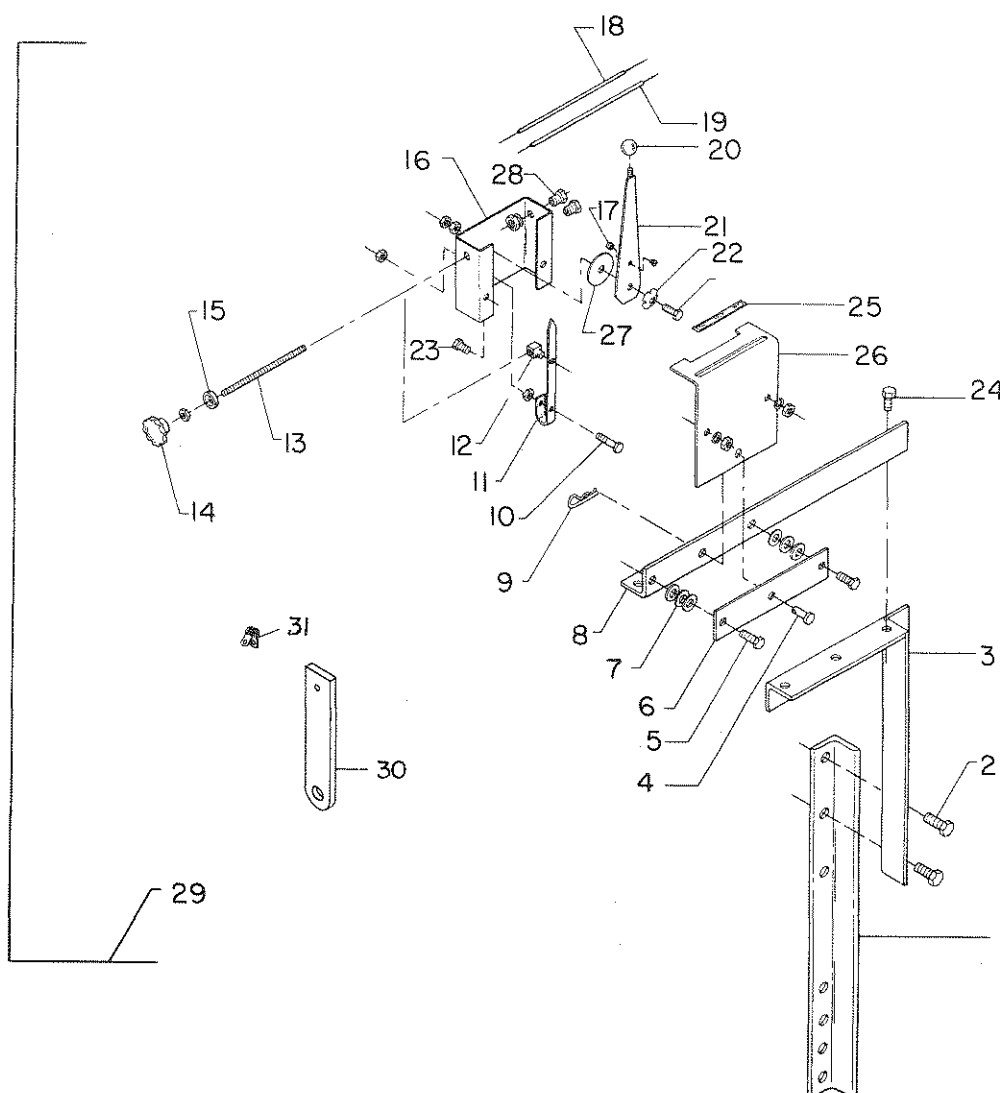
### PICKUP FEEDER HOUSE, -76

| REF. NO. | PART NO. | DESCRIPTION                                   | REF. | PART NO. | DESCRIPTION                                |
|----------|----------|-----------------------------------------------|------|----------|--------------------------------------------|
| 1        | F7482    | Support angle for guard pipes                 | 15   | F7152    | Feeder house back sheet                    |
| 2        | F7158    | Hay hold down, outside                        | 16   | F7145    | Feeder house bottom wear plate             |
| 3        | F7299    | Guard angle                                   | 17   | F7166    | Catch for access door                      |
| 4        | F7472    | Guard pipe, outside with latch mounting plate | 18   | F8158    | Access door for F8160 shield               |
| 5        | F8261    | Guard pipe, center                            | 19   | F8159    | Shield over pickup, rear                   |
| 6        | F7164    | Guard pipe, inside                            | 20   | F8160    | Shield over pickup complete                |
| 7        | F7159    | Hay hold down, center                         | 21   | F7635    | Tool box lid                               |
| 8        | F7160    | Hay hold down, inside                         | 22   | F853     | Catch for tool box cover                   |
| 9        | F7157    | Angle brace for feeder house bottom sheet     | 23   | F8375    | Shield for needle yoke drive arm and brake |
| 10       | F7394    | Pickup stop                                   | 24   | F7579    | Bracket, knottter drive arm shield         |
| 11       | F7143    | Feeder house end plate                        | 25   | F7654    | Brace for F7579 bracket                    |
| 12       | F7713    | Feeder house bottom                           | 26   | F7714    | Feeder house bottom end shim, R.H.         |
| 13       | F7142    | Feeder house rear and top section             | 27   | F8161    | Shim for top of feeder house end plate     |
| 14       | F7127    | Upright shield under hood                     | 28   |          | 5/16" x 1" N.C. cap screw                  |



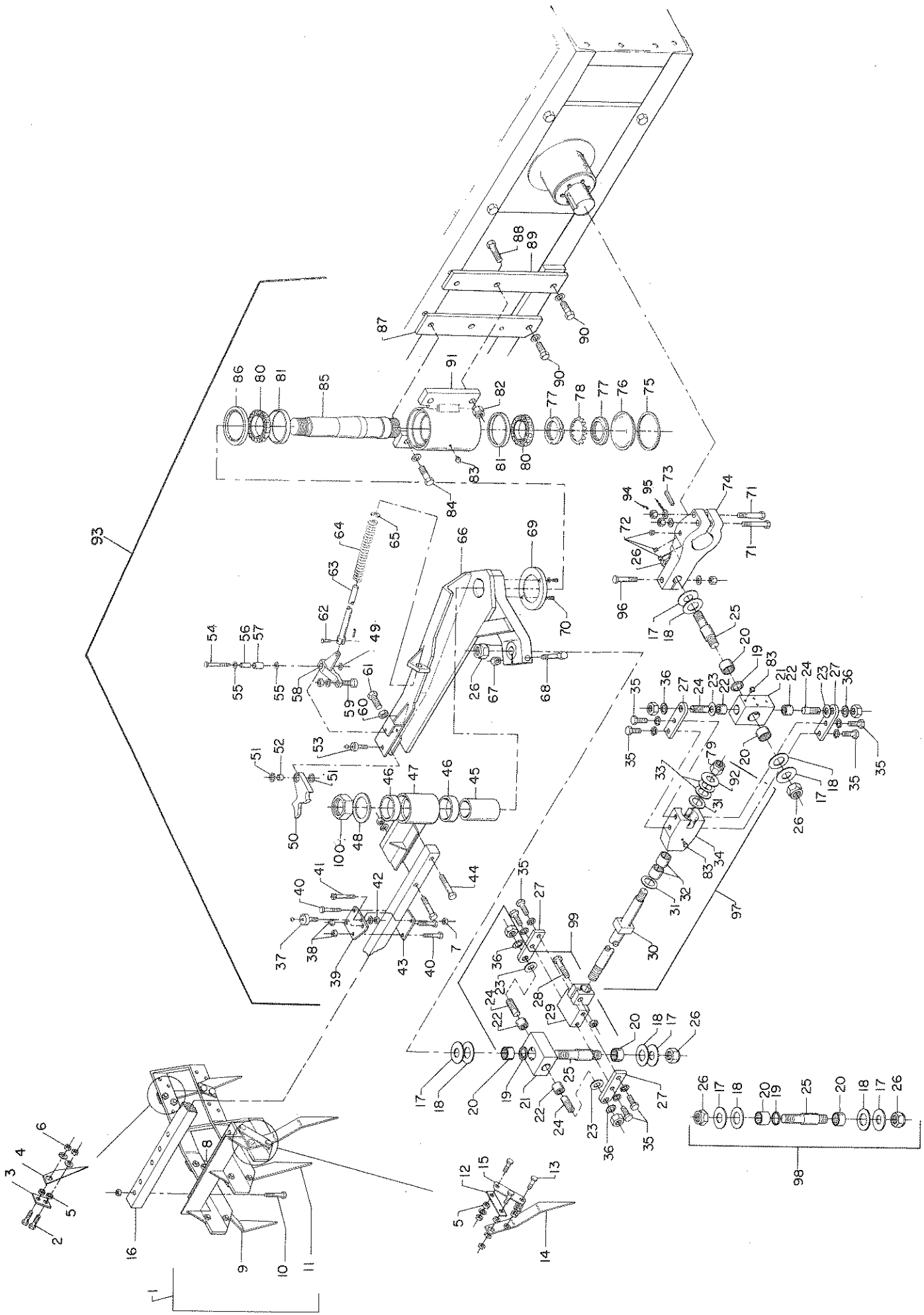
### CRANK ARM SHIELD

| REF. NO. | PART NO. | DESCRIPTION                           |
|----------|----------|---------------------------------------|
| 1        | LUB7600  | Bullgear luber tank and pump assembly |
| 2        |          | 5/16" x 1" N.C. cap screw, 5 used     |
| 3        | SHD6906  | Front mount crank arm shield          |
| 4        |          | 5/16" flat washer, 6 used             |
| 5        | SHD6905  | Crank arm shield, front section       |
| 6        |          | 5/16" x 3/4" N.C. cap screw, 7 used   |
| 7        | SHD6690  | Crank arm shield brace                |
| 8        |          | 5/16" clip nut, T5618-075-098, 7 used |
| 9        | SHD6687  | Crank arm shield, side section        |
| 10       | SHD6688  | Crank arm shield, top section         |
| 11       |          | 3/8" x 1" N.C. cap screw, 2 used      |
| 12       | BKT7204  | Air cleaner extension bracket         |
| 13       | FD44     | Decal                                 |
| 14       | SHD70110 | Crank arm shield assembly             |



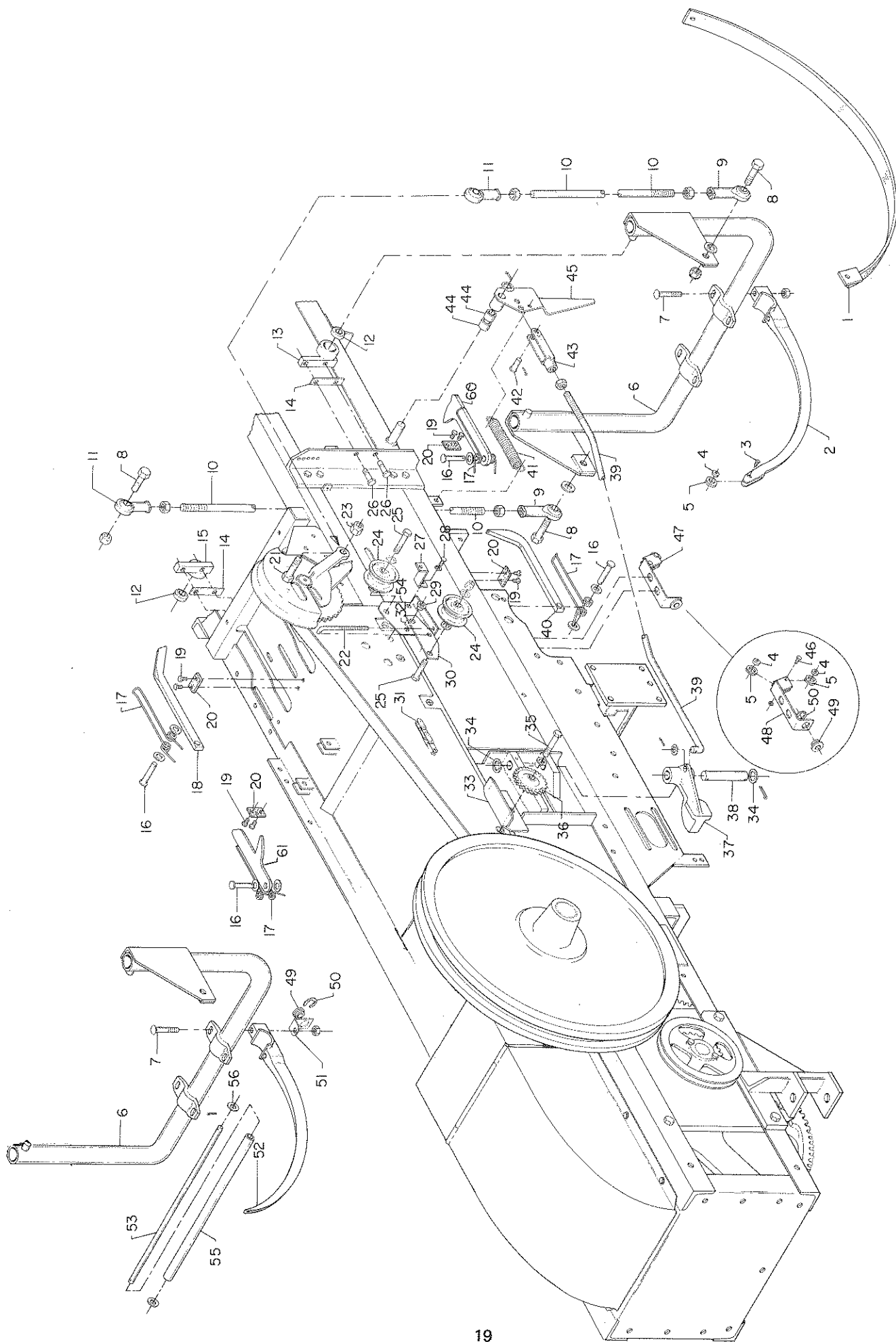
### THROTTLE AND TENSION CONTROL STAND

| REF. NO. | PART NO. | DESCRIPTION                                | REF. NO. | PART NO. | DESCRIPTION                                 |
|----------|----------|--------------------------------------------|----------|----------|---------------------------------------------|
| 1        | STN4939  | Leg, standard                              | 19       | F1129    | Cable complete for throttle, 12 ft.         |
| 2        |          | 5/8" x 2" N.C. cap screw                   |          | F1011    | Conduit, 12 ft.                             |
| 3        | STN4941  | Standard only                              |          | F1012    | Wire, 13 ft.                                |
| 4        | F1020    | Clevis pin, 3/8" x 1"                      | 20       | F5554    | Knob                                        |
| 5        |          | 5/16" x 1" N.C. cap screw                  | 21       | F1433    | Throttle lever                              |
| 6        | F1018    | Mounting base plate                        | 22       | F1002    | Conical washer                              |
| 7        |          | 5/16" flat washer                          | 23       |          | 5/16" x 3/4" N.C. cap screw                 |
| 8        | STN4937  | Mounting base angle                        | 24       |          | 3/8" x 1" N.C. cap screw                    |
| 9        | F1019    | Hairpin cotter key                         | 25       | FD-1     | Decal                                       |
| 10       |          | 5/16" x 2 1/2" N.C. cap screw              | 26       | F1452    | Control box cover                           |
| 11       | F1004    | Indicator, tension control                 | 27       | F1003    | Friction disc                               |
| 12       | F1005    | Adjusting stud nut, tension                | 28       | F5559    | Beech nut w/nut and washer                  |
| 13       | F1006    | Adjusting rod                              | 29       | F1025    | Control box complete, baler mounted         |
| 14       | F1007    | Control knob                               |          | F1026    | Control box complete, tractor mounted       |
| 15       | F1131    | Thrust bearing                             |          | F1451    | Control box complete, less cable & standard |
| 16       | F1008    | Control box                                | 30       | F7013    | Throttle cable bracket                      |
| 17       | F5545    | Swivel fasteners, throttle                 | 31       | F5264    | Clamp, throttle cable                       |
| 18       | F1130    | Cable complete for tension control, 24 ft. |          |          |                                             |
|          | F1013    | Conduit, tension control, 24 ft.           |          |          |                                             |
|          | F1014    | Wire, tension control, 25 ft.              |          |          |                                             |



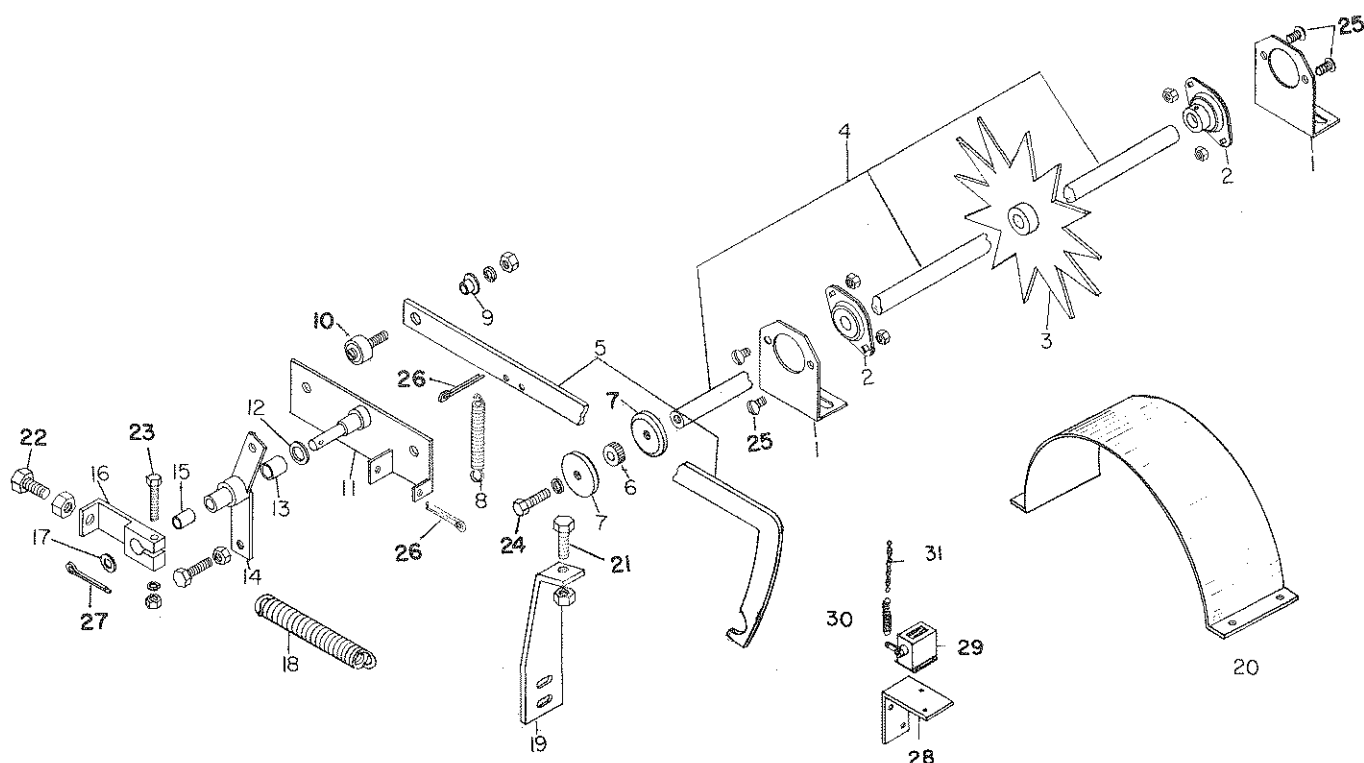
# FEED ARM DRIVE, FEED ARM AND FEED FORK ASSEMBLY

| REF. NO. | PART NO. | DESCRIPTION                                     | REF. NO. | PART NO. | DESCRIPTION                                                     |
|----------|----------|-------------------------------------------------|----------|----------|-----------------------------------------------------------------|
| 1        | F7984    | Feed fork complete                              | 52       | F7607    | Bushing for F7604 latch                                         |
| 2        | F8232    | Feed fork frame only                            | 53       | F7605    | Latch hinge pin                                                 |
| 3        | F1195    | 7/16" x 1 1/2" NFHT cap screw                   | 54       | F1559    | Trip arm pin                                                    |
| 4        | F1603    | Clip for tines                                  | 55       | F1557    | O ring, 2 used                                                  |
| 5        | F1193    | Tine, leading, short, 2 used                    | 56       | F8262    | Trip arm sleeve                                                 |
| 6        | F1193    | Bushing and stop for tines                      | 57       | F1556    | Trip arm bushing                                                |
| 7        |          | 7/16" NF nut                                    | 58       | F7606    | Trip arm                                                        |
| 8        |          | 3/8" N.C. fiber lock nut                        | 59       | F822     | Cam follower for spring arm, CF1-S                              |
| 9        | F1189    | Tine, outside center                            | 60       |          | 5/8" N.C. nut                                                   |
| 10       | F7969    | Tine, trailing, outside, 2 1/2" offset          | 61       |          | 5/8" x 1 1/4" N.C. cap screw                                    |
| 11       | F7968    | 3/8" x 2 1/2" NFHT cap screw, 5 used            | 62       | F1561    | Trip arm spring rod clevis pin                                  |
| 12       | F7970    | Tine, trailing, center                          | 63       | F1643    | Trip arm spring rod                                             |
| 13       |          | Strap for feed fork tine, inside                | 64       | F8296    | Trip arm spring                                                 |
| 14       | F7967    | 7/16" x 1 1/4" NFHT cap screw                   | 65       |          | 3/4" machine bushing (as required)                              |
| 15       | F7971    | Tine, trailing, inside, 1" offset               | 66       | F8142    | Feed arm                                                        |
| 16       | F7529    | Strap for feed fork tine, outside               | 67       |          | 5/8" N.C. fiber lock nut                                        |
| 17       | F716     | Torque shaft, 1 1/2"                            | 68       |          | 5/8" x 5" N.C. cap screw                                        |
| 18       | F1260    | Hardened washer, 1" x 2 1/2" x .065, 4 used     | 69       | F8136    | Dust cap                                                        |
| 19       | F1259    | Hardened washer, 1-3/8" x 2 1/2" x .025, 4 used | 70       |          | 10-32 x 3/8" flat head socket cap screw                         |
| 20       | F1071    | Spacer for F1071                                | 71       |          | 1/2" x 4" NFHT cap screw, 3 used                                |
| 21       | F486     | Inner race, IR1812, 4 used                      | 72       |          | 1/2" x 1/2" hollow head set screw, 3 used                       |
| 22       | F481     | Bearing block with bearings, 2 used             | 73       | ZZ425    | Key, feed arm drive shaft, 5/8" x 5/8" x 2 1/4"                 |
| 23       | F802     | Bearing, B1212, 4 used                          | 74       | F1256    | Crank arm, -76                                                  |
| 24       | F485     | Washer, bearing pin                             |          | CRA70720 | Crank arm, -77-                                                 |
| 25       | F1306    | Bearing pin, 4 used                             | 75       | F8130    | Retaining ring, RR425                                           |
| 26       | F1386    | Crank pin only, 2 used                          | 76       | F8129    | Plug cap, HP 4 1/4                                              |
| 27       | F484     | Lock nut, 1" jam                                | 77       | F8131    | Nut, bearing takeup, N-12, 2 used                               |
| 28       |          | Strap for universal, 4 used                     | 78       | F8132    | Lock washer, W-12                                               |
| 29       | F354     | 1/2" x 2 1/2", N.C. cap screw                   | 79       |          | 7/8" N.F. elastic stop nut                                      |
| 30       | F8236    | Adjusting block, R.H. thread                    | 80       | F8134    | Bearing cone, JLM710949, 2 used                                 |
| 31       | F7603    | Feed arm conn. rod only                         | 81       | F8133    | Bearing cup, JLM710910, 2 used                                  |
| 32       | F7612    | Thrust washer                                   | 82       |          | 3/4" N.C. fiber lock nut, 2 used                                |
| 33       | F8238    | Bushing, 1-3/16" x 1-5/16" x 1 1/4"             | 83       | F1661    | Hydraulic shut-off fitting, No. 1940B                           |
|          | F8239    | Shim washer, 1.198 x 2" x .005"                 | 84       |          | 3/4" x 2" N.C. cap screw, 2 used                                |
|          | F8240    | Shim washer, 1.198" x 2" x .007"                | 85       | F8126    | Pivot shaft                                                     |
|          | F7578    | Shim washer, 1.198" x 2" x .030"                | 86       | F8135    | Oil seal, 55304                                                 |
| 34       |          | Thrust bearing block                            | 87       | F8137    | Pivot shaft strap, rear, 16" chamber                            |
| 35       |          | 1/2" x 1 1/2" N.C. cap screw, 8 used            | 88       |          | 3/4" x 2 1/2" N.C. cap screw, 2 used                            |
| 36       |          | 3/4" star lock washer                           | 89       | F8185    | Pivot shaft strap, front, 16" chamber                           |
| 37       | F4050    | Latch roller                                    | 90       |          | 3/4" x 1 1/4" N.C. cap screw, 2 used                            |
| 38       |          | 3/8" N.F. fiber lock nut                        | 91       | F8128    | Feed arm bearing housing with bearing cups                      |
| 39       | F7533    | Roller plate                                    | 92       | F8241    | Washer, 2-3/16" O.D. x 0.880 I.D. x 3/16"                       |
| 40       | F7534    | Bolt, 3/8" x 2 3/4" NFHT                        | 93       | F8195    | Feed arm pivot shaft assembly, (Ref. 16, 26, 37-70, 75-91, 100) |
| 41       |          | 3/8" x 2 3/4" N.C. hollow head cap screw        | 94       |          | 1/2" high nut                                                   |
| 42       |          | 1/2" N.F. nut                                   | 95       | WAS104   | 1/2" structural washer                                          |
| 43       | F7532    | Bottom plate                                    | 96       |          | 5/8" x 3 1/2" N.F. cap screw                                    |
| 44       |          | 1/2" x 3" N.F. grade 8 cap screw                | 97       | F8237    | Feed arm conn. rod assembly                                     |
| 45       | F8139    | Pivot shaft sleeve                              | 98       | F1450    | Crank pin complete with races, washers and nuts                 |
| 46       | F8141    | Bushing for torque shaft bearing                | 99       | F482     | Universal joint complete, R.H. thread                           |
| 47       | F8127    | Torque shaft bearing with bushing               | 100      | F8140    | Jam nut, 2" - 12                                                |
| 48       | F8187    | Pivot shaft washer, 2-5/8" x 3 1/2" x 14 ga.    |          |          |                                                                 |
| 49       | F8334    | Pivot shaft washer, 2-5/8" x 3 1/2" x 20 ga.    |          |          |                                                                 |
| 50       | F8315    | Washer, 1/2" x 7/8" x .030"                     |          |          |                                                                 |
| 51       | F7604    | Latch                                           |          |          |                                                                 |
|          | F7610    | Quad ring for F7604 latch                       |          |          |                                                                 |



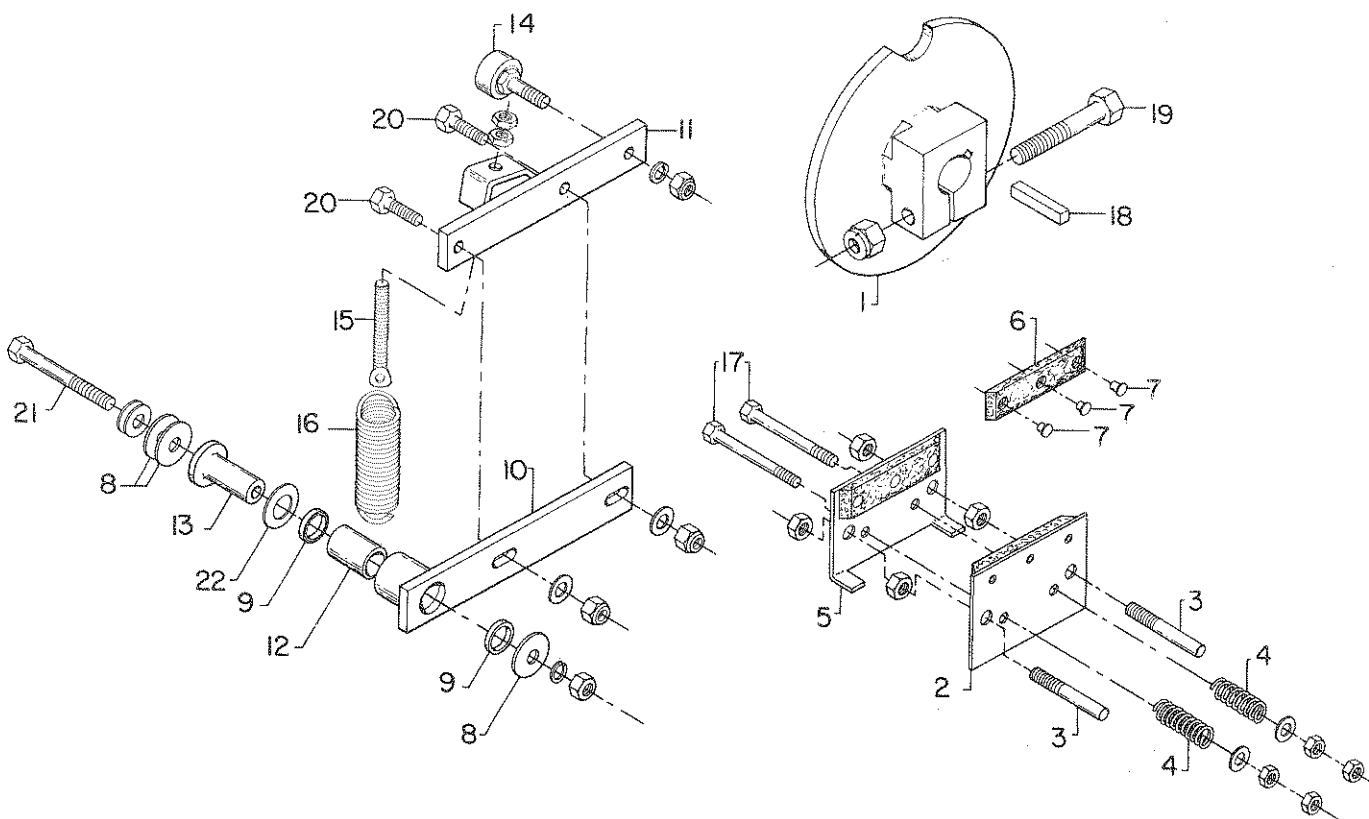
# KNOTTER DRIVE AND NEEDLE AND YOKE ASSEMBLY

| REF.<br>NO. | PART<br>NO. | DESCRIPTION                                            |
|-------------|-------------|--------------------------------------------------------|
| 1           | F7569       | Needle guard, L.H.                                     |
|             | F7568       | Needle guard, R.H.                                     |
| 2           | F8177       | Needle, wire, complete w/roller                        |
| 3           | F4016       | Bolt, needle roller                                    |
| 4           | F4015       | Bushing, needle roller                                 |
| 5           | F4014       | Roller, needle                                         |
| 6           | F7558       | Needle yoke, twine                                     |
|             | F8367       | Needle yoke, wire                                      |
| 7           | F7552       | Bolt with nut, 1/2" x 3/4" carriage, 3 used            |
| 8           | F1552       | Bolt, drive rod to needle yoke w/nut                   |
| 9           | F1549       | Drive rod end, R.H. thread, 2 used                     |
| 10          | F7554       | Drive rod, 2 used                                      |
| 11          | F1550       | Drive rod end, L.H. thread, 2 used                     |
| 12          | F7523       | Bearing, KP12A                                         |
| 13          | F7522       | Needle yoke bearing complete, L.H.                     |
| 14          | F1702       | Shim for needle yoke bearing                           |
| 15          | F7521       | Needle yoke bearing complete, R.H.                     |
| 16          | F220        | Hay dog pin                                            |
| 17          | F188        | Hay dog spring                                         |
| 18          | F7911       | Hay dog, top                                           |
| 19          |             | 1/4" x 1/2" self-tapping screw                         |
| 20          | F1589       | Rubber pads                                            |
| 21          | F1551       | Bolt, drive rod to clutch                              |
| 22          | F8084       | Chain tightner adjusting bolt                          |
| 23          |             | 3/4" NF elastic stop nut                               |
| 24          | F883        | Idler pulley and tightner, knotter chain, 2 used       |
| 25          |             | 1/2" x 2 3/4" N.C. cap screw, 2 used                   |
| 26          |             | 1/2" x 1 3/4" N.C. cap screw                           |
| 27          | F8154       | Bracket for knotter drive chain shield                 |
| 28          |             | 3/8" x 1/4" N.C. cap screw                             |
| 29          | F440        | Ferrule                                                |
| 30          | F8083       | Chain tightner bracket                                 |
| 31          | CHN6240     | Knotter drive chain, twine, 240P No. 60                |
|             | F7055       | Knotter drive chain, wire, 239P No. 60                 |
|             | F759        | Offset link, RC 60                                     |
|             | F760        | Connecting link, RC 60                                 |
|             | F761        | Roller link, RC 60                                     |
| 32          | F246        | Washer                                                 |
| 33          | F8112       | Chain hold down                                        |
| 34          |             | 1" x 14 ga. machine bushing                            |
| 35          |             | 1/2" x 3/4" N.C. cap screw                             |
| 36          | F7397       | Sprocket for chain divider, 2 used                     |
| 37          | F7547       | Plunger stop dog                                       |
| 38          | F7588       | Plunger dog pin                                        |
| 39          | F7524       | Plunger dog return rod                                 |
| 40          | F837        | Hay dog, bottom                                        |
| 41          | F1517       | Plunger dog return spring                              |
| 42          | F7527       | Clevis pin                                             |
| 43          | F7526       | Clevis                                                 |
| 44          | F7845       | Bushing for plunger dog return lever, 7/8" x 1" x 7/8" |
| 45          | F7652       | Plunger dog return lever                               |
| 46          |             | 1/4" x 1" N.C. cap screw                               |
| 47          | F4205       | Wire guide complete, lower rear                        |
| 48          | F4222       | Wire guide frame                                       |
| 49          | F856        | Wire guide bushing                                     |
| 50          | F857        | Snap ring for F856 bushing                             |
| 51          | F7973       | Holder for needle twine guide bushing                  |
| 52          | F1611       | Needle, twine                                          |
| 53          | F8109       | Bottom twine guide rod                                 |
| 54          | F8086       | Idler roller bracket                                   |
| 55          | F8110       | Bottom twine guide pipe                                |
| 56          |             | 1/2" flat washer                                       |
| 57          | F753        | Sprocket, knotter drive, 32T No. 60                    |
| 58          | F9A         | Sheave, pickup drive                                   |
| 59          |             | 1/2" x 2 3/4" N.C. cap screw                           |
| 60          | F7562       | Hay dog, L.H.                                          |
| 61          | F7563       | Hay dog, R.H.                                          |



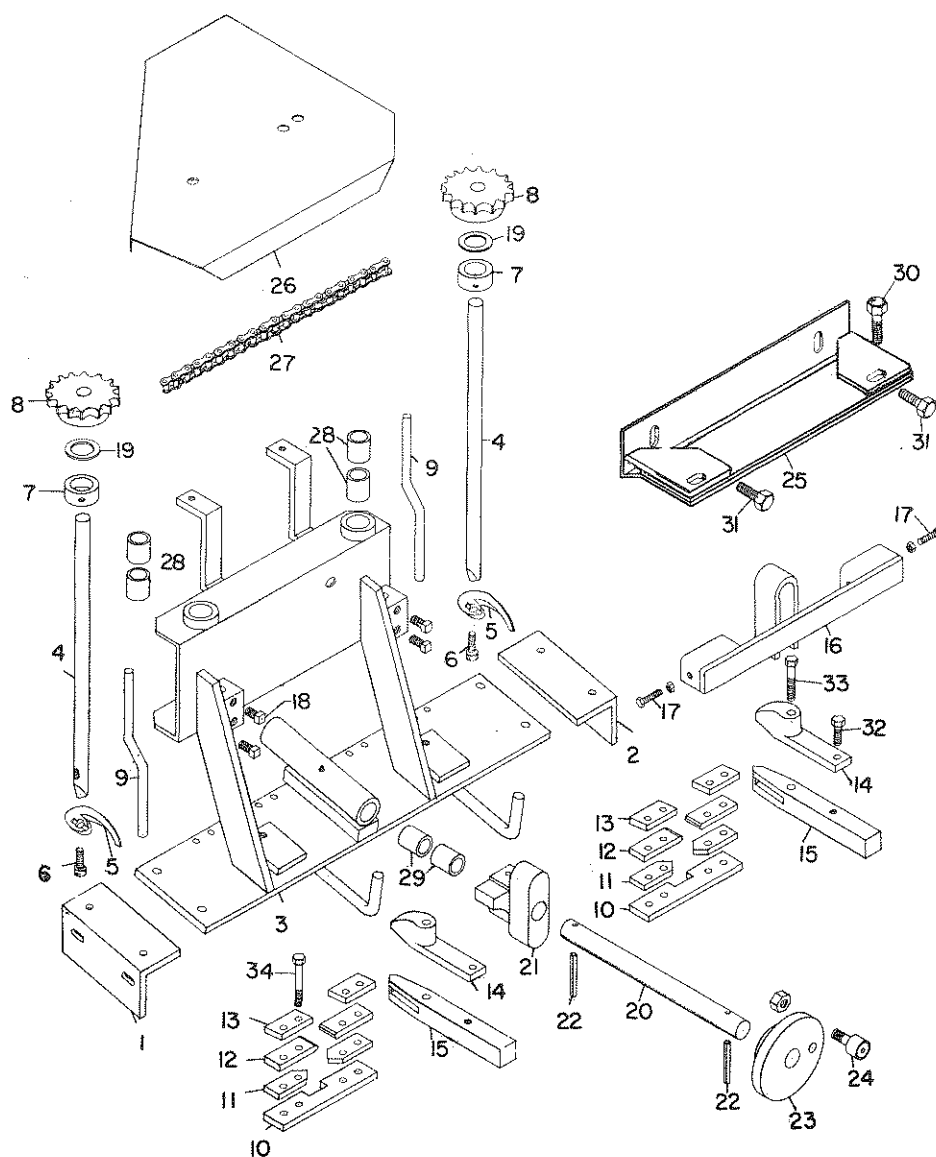
### KNOTTER TRIP ASSEMBLY

| REF. NO. | PART NO. | DESCRIPTION                                  | REF. NO. | PART NO. | DESCRIPTION                                             |
|----------|----------|----------------------------------------------|----------|----------|---------------------------------------------------------|
| 1        | F1617    | Meter wheel shaft bracket, 2 used            | 17       |          | 1/2" x 7/8" - 14 ga. machine bushing                    |
| 2        | F1618    | Meter wheel shaft bearing complete, 2 used   | 18       | F1517    | Trip spring                                             |
|          | F1619    | Bearing only, RA012NPPB                      | 19       | F1632    | Meter trip bar stop with bolt                           |
|          | F1889    | Flangett only, 47MST                         | 20       | F1608    | Shield for meter wheel                                  |
|          | F1890    | Locking collar only, S1012K                  | 21       |          | 1/2" x 1 1/4" N.C. cap screw, trip bar stop             |
| 3        | F1531    | Meter wheel, 10"                             | 22       |          | 1/2" x 1 1/4" N.C. cap screw, clutch stop               |
| 4        | F8034    | Meter wheel shaft                            | 23       |          | 5/16" x 2" N.C. cap screw, clutch stop clamp            |
| 5        | F1686    | Meter trip bar                               | 24       |          | 3/8" x 1 1/4" N.C. cap screw, knurled roller and washer |
| 6        | F1687    | Knurled friction disc                        |          |          |                                                         |
| 7        | F8023    | Guide washer                                 | 25       |          | 5/16" x 3/4" NCBH machine screw, bearing to bracket     |
| 8        | F278     | Spring                                       | 26       |          | 3/16" x 3/4" cotter key                                 |
| 9        | F440     | Ferrule                                      | 27       |          | 1/8" x 1" cotter key                                    |
| 10       | F1572    | Cam follower bearing                         | 28       | F7391    | Bale counter mounting angle                             |
| 11       | F1513    | Knotter trip mount                           | 29       | F304     | Bale counter, Veeder Root                               |
| 12       |          | 3/4" x 1 1/4" - 10 ga. machine bushing       |          | F635     | Arm w/screw for F304                                    |
| 13       | F7227    | Bushing, 3/4" x 7/8" x 3/4" oilite           |          | F636     | Reset knob for F304                                     |
| 14       | F1514    | Reset lever                                  |          |          |                                                         |
| 15       | F1568    | Bushing, rest lever, 1/2" x 5/8" x 1" oilite | 30       | F638     | Spring, bale counter                                    |
| 16       | F1515    | Clutch stop lever                            | 31       | F637     | Chain, bale counter                                     |



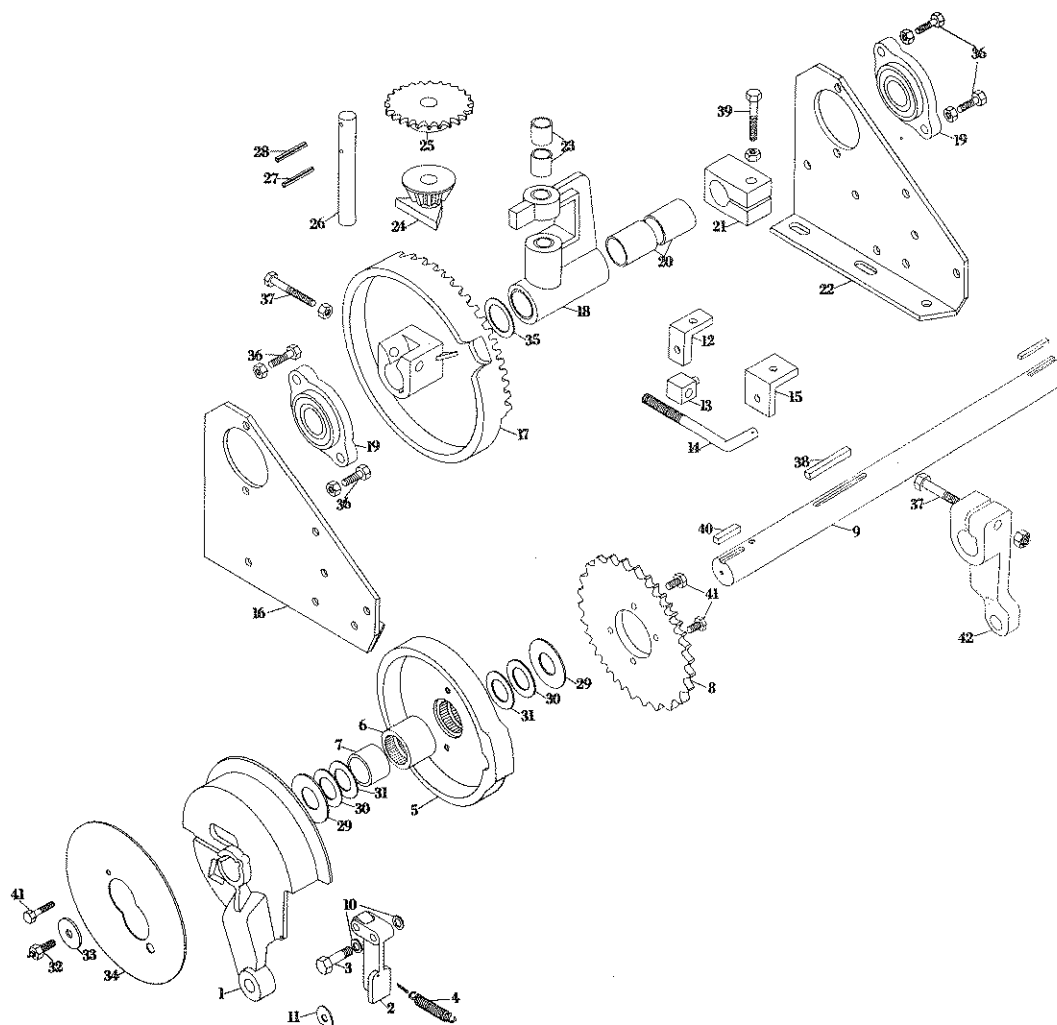
### KNOTTER BRAKE ASSEMBLY

| REF. PART NO. | NO.   | DESCRIPTION                                                         |
|---------------|-------|---------------------------------------------------------------------|
| 1             | F7528 | Brake disc with hard notch, 1-3/8"                                  |
| 2             | F7450 | Outside brake plate with lining                                     |
| 3             | F7451 | Brake plate stud, 2 used                                            |
| 4             | F7453 | Brake plate spring, 2 used                                          |
| 5             | F7449 | Inside brake plate with lining                                      |
| 6             | F7454 | Brake lining with rivets, 2 used                                    |
| 7             |       | Rivets for brake lining, 6 used                                     |
| 8             | F246  | Saddle lever washer                                                 |
| 9             | F7587 | Seal for saddle lever anchor, 63123 Victor                          |
| 10            | F7561 | Saddle lever lower half with bushing                                |
| 11            | F7560 | Saddle lever upper half with spring anchor                          |
| 12            | F7586 | Bushing for saddle lever, 3/4" x 1" x 1 1/2"                        |
| 13            | F7585 | Saddle lever sleeve                                                 |
| 14            | F1572 | Cam follower, saddle lever                                          |
| 15            | F7448 | Saddle lever spring eyebolt                                         |
| 16            | F7559 | Saddle lever spring                                                 |
| 17            | F7452 | Brake plate bolt, 1/4" x 3 1/2" NC                                  |
| 18            | F7904 | 3/8" x 3/8" x 2" key for brake disc                                 |
| 19            |       | 1/2" x 3/4" NC cap screw w/fibre lock nut for brake clamp           |
| 20            |       | 5/16" x 1 1/4" NC cap screw w/fibre lock nut for saddle lever       |
| 21            |       | 3/8" x 3 1/2" NC cap screw w/fibre lock nut for saddle lever anchor |



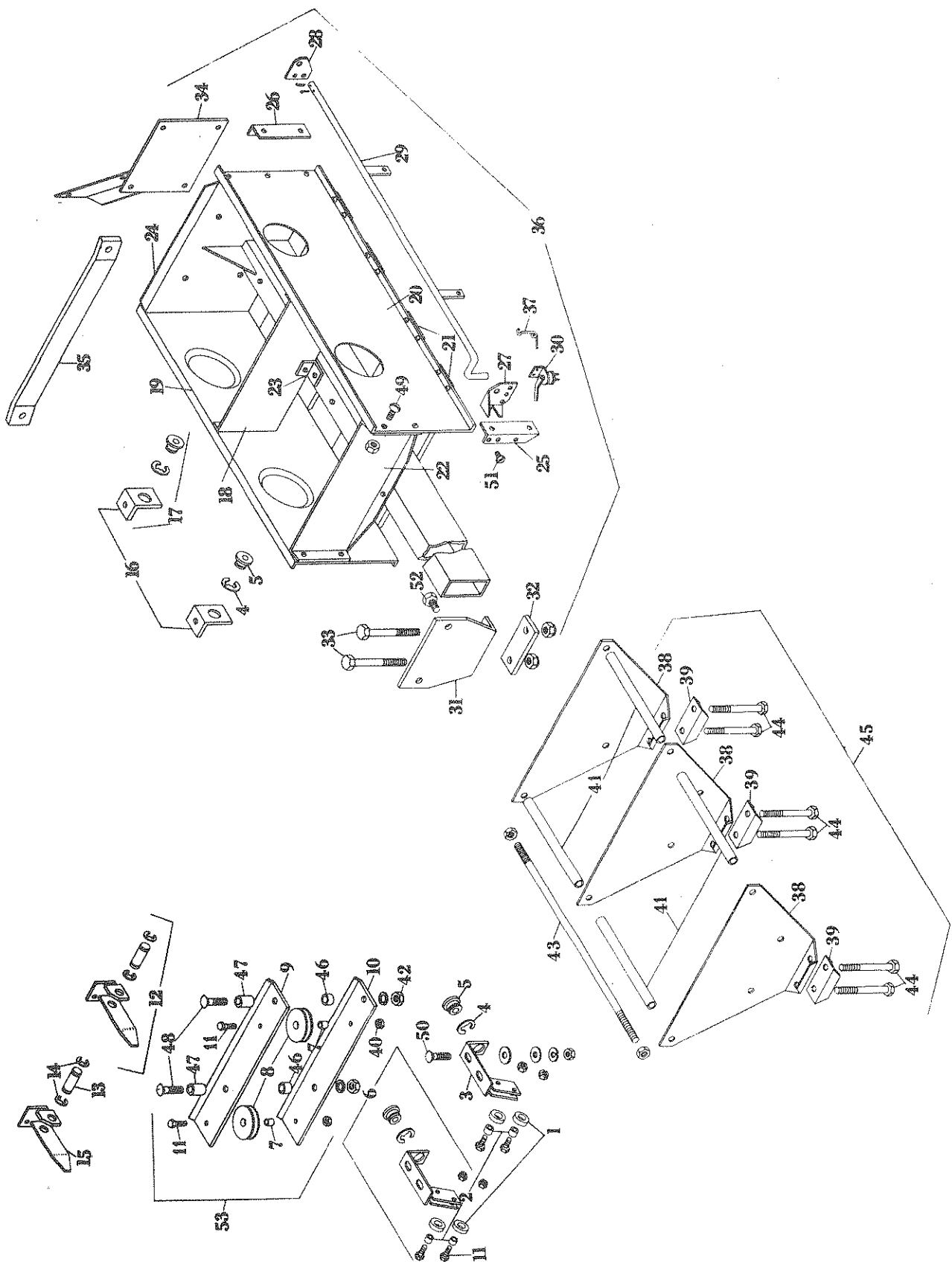
## WIRE KNOTTER

| REF. NO. | PART NO. | DESCRIPTION                            | REF. NO. | PART NO. | DESCRIPTION                      |
|----------|----------|----------------------------------------|----------|----------|----------------------------------|
| 1        | F7062    | Knotter mounting angle, L.H.           | 19       |          | Washer, 10 ga., 3/4"             |
| 2        | F7065    | Knotter mounting angle, R.H.           | 20       | F7077    | Cam shaft                        |
| 3        | F7311    | Twister and shuttle bar frame          | 21       | F7075    | Shuttle bar drive cam            |
| 4        | F7089    | Twister shaft                          | 22       | F7076    | Roll pin, 1/4" x 1 1/2"          |
| 5        | F4046    | Twister hook                           | 23       | F7078    | Shuttle bar crank flange         |
| 6        | F7248    | Twister hook bolt                      | 24       | F7079    | Cam follower                     |
| 7        | F172     | Set collar, 3/4"                       | 25       | F7353    | Upper wire guide bracket         |
| 8        | F4024    | Sprocket, twister shaft, 15T           | 26       | F7317    | Shield                           |
| 9        | F7318    | Wire holder rod                        | 27       | F7348    | Twister drive chain, 64P, No. 40 |
| 10       | F7087    | Wire knife                             | 28       | F7227    | Bushing, twister shaft           |
| 11       | F7086    | Gripper spacer, bottom                 | 29       | F7227    | Bushing, cam shaft               |
| 12       | F7085    | Wire gripper                           | 30       |          | 3/8" x 1 1/4" N.C. cap screw     |
| 13       | F7084    | Gripper top plate                      | 31       |          | 3/8" x 1" N.C. cap screw         |
| 14       | F7312    | Wire divider                           | 32       |          | 5/16" x 3/4" N.C. cap screw      |
| 15       | F7313    | Wire gripper tongue                    | 33       |          | 3/8" x 2 1/2" NFHT cap screw     |
| 16       | F7316    | Shuttle bar with adjusting screws      | 34       |          | 5/16" x 1 3/4" NFHT cap screw    |
| 17       | F7081    | Shuttle bar adjusting screws           |          |          |                                  |
| 18       |          | 3/8" x 3/4" N.C. square head set screw |          |          |                                  |



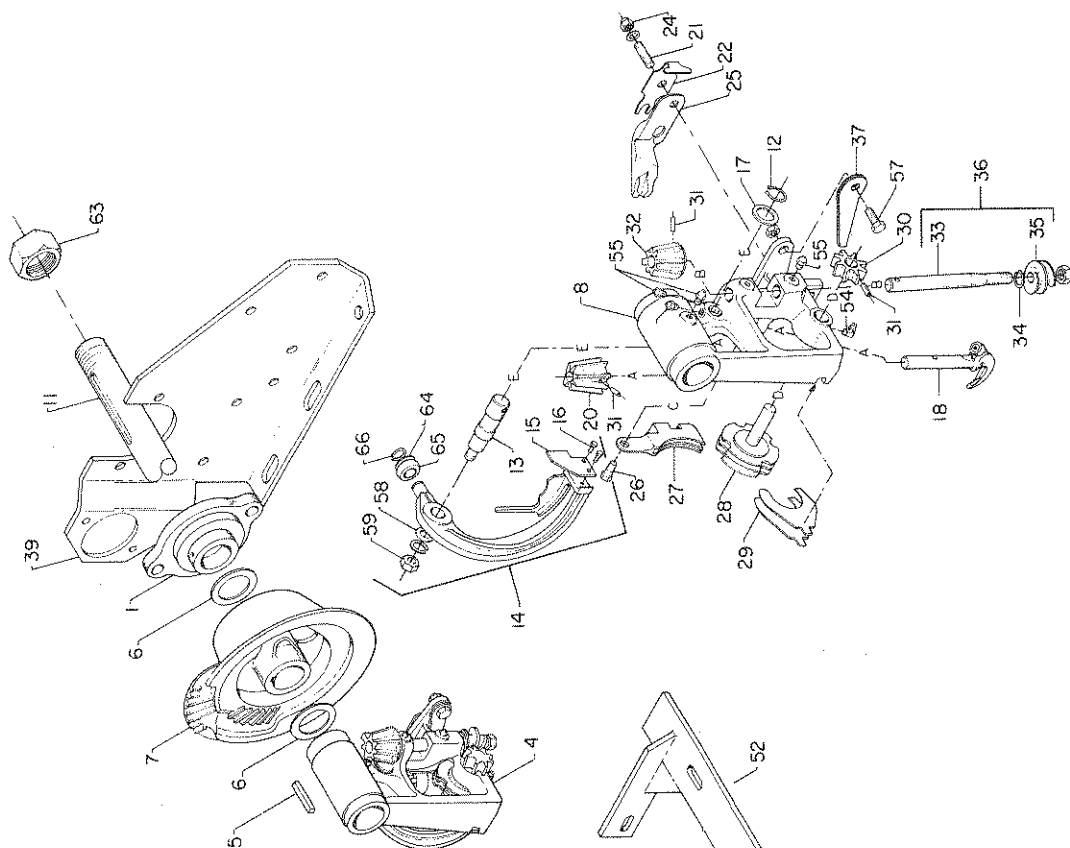
### WIRE KNOTTER

| REF. NO. | PART NO. | DESCRIPTION                                    | REF. NO. | PART NO. | DESCRIPTION                                   |
|----------|----------|------------------------------------------------|----------|----------|-----------------------------------------------|
| 1        | F7519    | Clutch w/pawl, 1-3/8"                          | 23       | F7247    | Bushing for F7072 frame, 7/8" x 1" x 1"       |
| 2        | F1622    | Clutch pawl                                    | 24       | F7431    | Pinion                                        |
| 3        | F1633    | Clutch pawl pin                                | 25       | F7257    | Twister drive sprocket, 40B25                 |
| 4        | F4115    | Spring, clutch pawl                            | 26       | F7069    | Pinion shaft                                  |
| 5        | F4133    | Notched clutch disc with F4134 bearing, 1-3/8" | 27       | F7076    | Roll pin, pinion to shaft, 1/4" x 1 1/2"      |
| 6        | F4134    | Bearing for F4133 disc                         | 28       | F4030    | Roll pin, sprocket to shaft, 1/4" x 2"        |
| 7        | F4135    | Inner race for F4134 bearing                   | 29       | F4136    | Hardened washer, 1-3/8" I.D., 16 ga.          |
| 8        | F755     | Clutch sprocket (32T- no. 60)                  | 30       | F4159    | Knotter shaft spacer washer, 10 ga.           |
| 9        | F8366    | Knotter shaft                                  | 31       | F4161    | Knotter shaft spacer washer, 18 ga.           |
| 10       | F1623    | Washer, 7/16" I.D. x 7/8" O.D. x .025"         | 32       | F1576    | Adapter with 1645B zerk, end of knotter shaft |
| 11       | F1620    | Clutch pawl pin lock                           | 33       | F246     | Knotter shaft end washer, L.H.                |
| 12       | F7333    | Angle for chain tightner rod, small            | 34       | F7987    | Shield for knotter clutch                     |
| 13       | F7335    | Block for chain tightner rod                   | 35       | F4159    | Washer spacer, 10 ga., 1-3/8" I.D.            |
| 14       | F7334    | Chain tightner rod                             |          | F4160    | Washer spacer, 14 ga., 1-3/8" I.D.            |
| 15       | F7332    | Angle for chain tightner rod, large            |          | F4161    | Washer spacer, 18 ga., 1-3/8" I.D.            |
| 16       | F7571    | Knotter mount, L.H.                            | 36       |          | 3/8" x 1 1/2" N.C. cap screw                  |
| 17       | F7432    | Intermittent gear                              | 37       |          | 1/2" x 3" N.C. cap screw                      |
| 18       | F7072    | Pinion frame                                   | 38       |          | 3/8" x 3/8" x 2 3/4" key                      |
| 19       | F7063    | Bearing, knotter shaft, 2 used                 | 39       |          | 1/2" x 2 3/4" N.C. cap screw                  |
| 20       | F4137    | Bushing for F7072 frame, 1-3/8" x 1 1/2" x 2"  | 40       |          | 3/8" x 3/8" x 2" key                          |
| 21       | F4138    | Clamp collar                                   | 41       |          | 3/8" x 1" N.C. cap screw                      |
| 22       | F7570    | Knotter mount, R.H.                            | 42       | F7461    | Needle yoke drive arm                         |
|          |          |                                                |          | F7686    | Wire knotter complete with clutch & brake     |



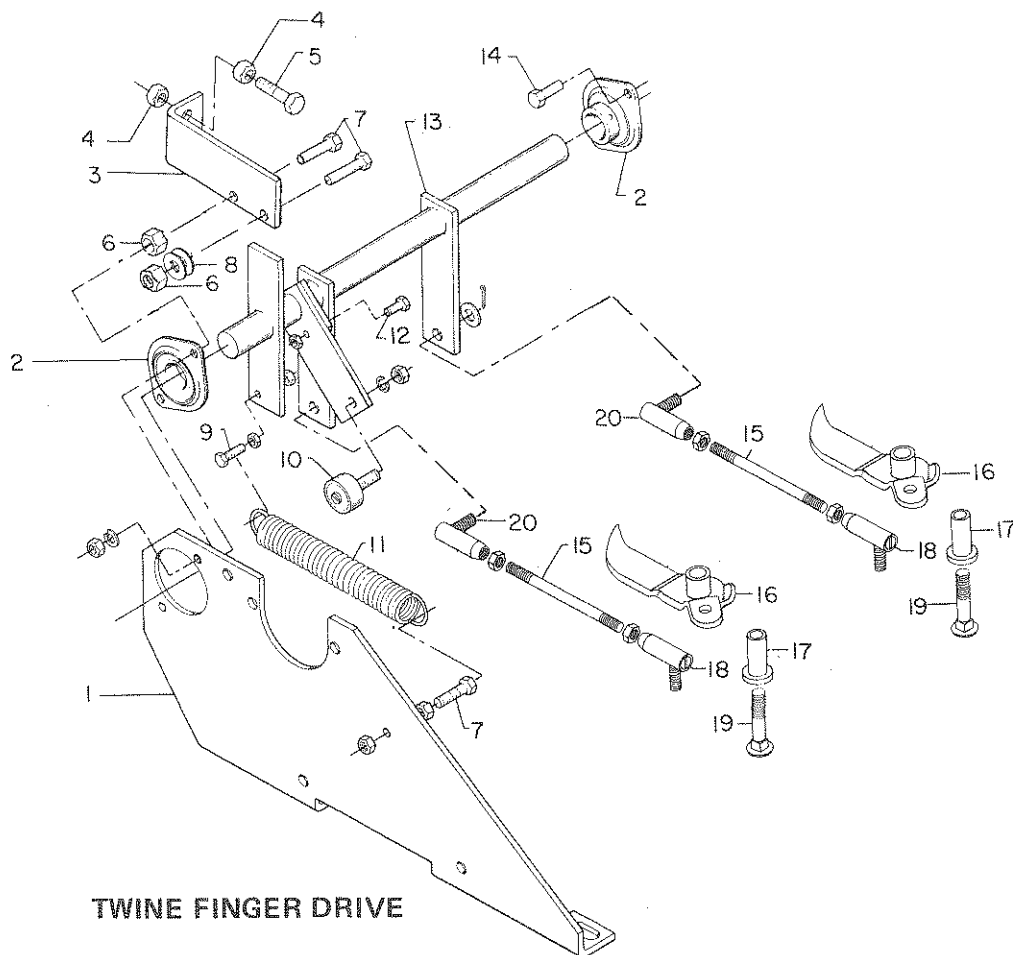
# WIRE BOX AND WIRE GUIDES

| REF. NO. | PART NO. | DESCRIPTION                                  | REF. NO. | PART NO. | DESCRIPTION                                             |
|----------|----------|----------------------------------------------|----------|----------|---------------------------------------------------------|
| 1        | F4014    | Roller for wire guide and needle             | 27       | F4191    | Mounting bracket for wire alarm rod, L.H.               |
| 2        | F4015    | Bushing for F4014 roller                     | 28       | F4190    | Mounting bracket for wire alarm rod, R.H.               |
| 3        | F4222    | Wire guide frame only, lower rear            | 29       | F7716    | Rod for wire alarm                                      |
| 4        | F857     | Snap ring for F856 bushing                   | 30       | F946     | Switch only for wire alarm                              |
| 5        | F856     | Wire guide bushing                           | 31       | F7555    | Wire box mounting bracket                               |
| 6        | F4205    | Wire guide complete, lower rear              | 32       | F7556    | Bottom support plate for F7555                          |
| 7        | F4068    | Bushing for F4067 roller                     | 33       |          | Bolt with nut, 1/2" x 5 1/2", N.C. cap screw            |
| 8        | F4067    | Roller, lower front wire guide               | 34       | F7557    | Wire box mounting bracket, R.H.                         |
| 9        | F8297    | Wire guide top bracket                       | 35       | F7705    | Brace for F7557, R.H. wire box bracket                  |
| 10       | F8308    | Wire guide bottom bracket                    | 36       | F7717    | 4 compartment wire box complete with braces and harness |
| 11       |          | Bolt with lock nut 1/4" x 1", N.C. cap screw | 37       | F4210    | Spring for wire alarm rod                               |
| 12       | F4203    | Upper wire guide complete with pin           | 38       | F6317    | Wire carrier end plate                                  |
| 13       | F4204    | Upper wire guide wear pin                    | 39       | F6318    | Wire carrier clamp                                      |
| 14       | F5159    | Snap ring for wear pin                       | 40       |          | 1/4" N.C. fiber lock nut                                |
| 15       | F4225    | Upper wire guide, bracket only               | 41       | F7231    | Pipe spacer, wire carrier                               |
| 16       | F4163    | Wire guide bracket, rear                     | 42       |          | 3/8" N.C. fiber lock nut                                |
| 17       | F4224    | Wire guide bracket complete with bushing     | 43       | F4206    | Stay bolt, wire carrier                                 |
| 18       | F7637    | Wire box divider                             | 44       |          | 3/8" x 5" N.C. cap screw                                |
| 19       | F7981    | Wire box side, front                         | 45       | F4229    | Wire carrier complete                                   |
| 20       | F7982    | Wire box side, rear                          | 46       | F8176    | Spacer, 13/32"                                          |
| 21       | F7640    | Wire box bottom slats                        | 47       | F8175    | Spacer, 1 1/4"                                          |
| 22       | F7641    | Wire box end, left                           | 48       |          | 3/8" x 3", No. 3 plow bolt, 2 used                      |
| 23       | F7642    | Wire box divider angle                       | 49       |          | 5/16" x 3/4" machine screw                              |
| 24       | F7643    | Wire box base with end plate                 | 50       |          | 3/8" x 1 1/2" N.C. carriage bolt                        |
| 25       | F7644    | Angle for wire alarm mounting bracket, L.H.  | 51       |          | 1/4" x 1/2" machine screw                               |
| 26       | F7645    | Angle for wire alarm mounting bracket, R.H.  | 52       |          | 1/4" x 3/4" N.C. cap screw                              |
|          |          |                                              | 53       | F8298    | Wire guide complete, lower front                        |



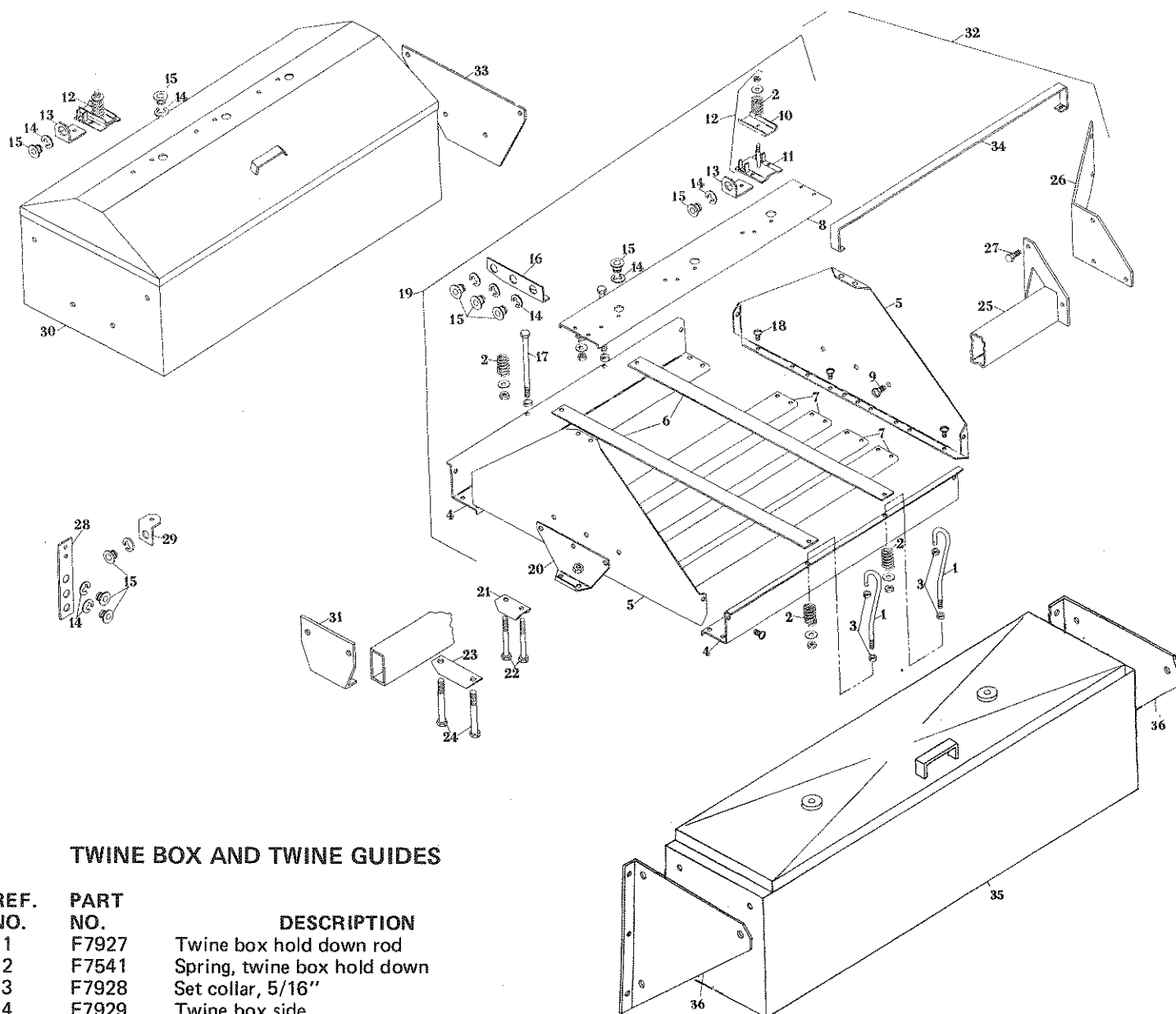
# TWINE KNOTTER

| REF. NO. | PART NO. | DESCRIPTION                                   | REF. NO. | PART NO. | DESCRIPTION                                                                     |
|----------|----------|-----------------------------------------------|----------|----------|---------------------------------------------------------------------------------|
| 1        | F7063    | Knotter shaft bearing, 1-3/8"                 | 37       | F8052    | Twine holder spring, 2 used                                                     |
| 2        | F99      | 1-3/8" set collar                             | 38       | F8369    | Twine knotter mount, L.H.                                                       |
| 3        | F7940    | Twine finger drive cam                        | 39       | F8368    | Twine knotter mount, R.H.                                                       |
| 4        | F8053    | Knotter frame complete                        | 40       | F7988    | Snap ring, No. 5160-137                                                         |
| 5        | F4104    | Key, 3/8" x 3/8" x 1 1/2", cam gear           | 41       |          | 3/8" x 1" N.C. cap screw, 2 used                                                |
|          | F7904    | Key, 3/8" x 3/8" x 2", clutch                 | 42       | F7519    | Clutch w/pawl, 1-3/8" shaft                                                     |
|          | F8054    | Key, 3/8" x 3/8" x 3/4", cam                  | 43       | F1620    | Clutch pawl pin lock                                                            |
| 6        | F4159    | Knotter shaft spacer washer, 10 ga.           | 44       | F1633    | Clutch pawl pin                                                                 |
|          | F4160    | Knotter shaft spacer washer, 14 ga.           | 45       | F1622    | Clutch pawl                                                                     |
|          | F4161    | Knotter shaft spacer washer, 18 ga.           | 46       | F4115    | Spring clutch pawl                                                              |
|          | F7977    | Knotter shaft spacer washer, .010"            | 47       | F4133    | Notched clutch disc w/F4134 bearing                                             |
|          | F7978    | Knotter shaft spacer washer, .005"            |          |          |                                                                                 |
| 7        | F7942    | Knotter cam gear                              | 48       | F4134    | Bearing                                                                         |
| 8        | F7943    | Knotter frame only                            | 49       | F4135    | Inner race                                                                      |
| 9        | F4136    | Hardened washer, 1-3/8" I.D., 16 ga.          | 50       | F755     | Sprocket, knotter clutch, 60A32                                                 |
| 10       |          | 1/8" P.T. straight grease fitting, No. 1710B  | 51       |          | 3/8" x 1" N.C. cap screw                                                        |
| 11       | F8374    | Knotter shaft, adjustable                     | 52       | F8388    | Knotter head anchor                                                             |
| 12       | F7976    | Snap ring for knife arm pin                   | 53       | F7987    | Shield for knotter clutch                                                       |
| 13       | F7884    | Knife arm pin                                 | 54       | F7882    | Zerk, 90°                                                                       |
| 14       | F8050    | Knife arm complete                            | 55       | F7883    | Zerk, straight                                                                  |
| 15       | F8049    | Twine knife                                   | 56       | F1623    | Washer, clutch pawl                                                             |
| 16       | F7859    | Twine knife screw                             | 57       |          | 3/8" x 1" cap screw                                                             |
| 17       | F7860    | Knife arm washer                              | 58       | F7892    | Knife arm shaft washer                                                          |
| 18       | F7861    | Knotter bill hook                             | 59       | F7893    | Knife arm shaft nut                                                             |
|          | F8068    | Knotter bill hook pinion spacer washer, .020" | 60       | F4159    | Knotter shaft spacer washer, 10 ga.                                             |
|          | F8069    | Knotter bill hook pinion spacer washer, .035" | 61       | F4161    | Knotter shaft spacer washer                                                     |
|          | F8070    | Trigger for F7861 Knotter bill hook           | 62       | F4159    | Knotter shaft spacer washer, 10 ga. (use 1)                                     |
|          | F8071    | Pin for F8070 trigger                         |          | F4160    | Knotter shaft spacer washer, 14 ga. (use 2)                                     |
| 19       |          | 3/8" x 1 1/4" N.C. cap screw                  |          | F4161    | Knotter shaft spacer washer, 18 ga. (use 1)                                     |
| 20       | F7862    | Pinion, knotter hook                          |          |          | 1-3/8" N.F. elastic stop jam nut                                                |
| 21       | F7948    | Knotter hook cam adjusting screw              | 63       |          |                                                                                 |
| 22       | F7947    | Knotter hook cam adjusting spring             | 64       | F8280    | Washer                                                                          |
| 23       |          | 7/16" x 1 1/2" N.F. cap screw                 | 65       | F8274    | Roller                                                                          |
| 24       | F7949    | Knotter hook cam adjusting screw nut          | 66       | F8275    | Snap ring                                                                       |
| 25       | F8051    | Knotter hook cam                              |          |          |                                                                                 |
| 26       | F7867    | Twine holder bolt                             |          |          |                                                                                 |
| 27       | F7868    | Twine holder                                  |          |          |                                                                                 |
| 28       | F7869    | Twine disc                                    |          |          |                                                                                 |
| 29       | F7870    | Twine disc cleaner                            |          |          |                                                                                 |
| 30       | F7871    | Pinion, twine holder disc                     |          |          |                                                                                 |
| 31       | F7872    | Roll pin                                      |          |          |                                                                                 |
| 32       | F7873    | Pinion, knotter worm                          |          |          |                                                                                 |
| 33       | F7874    | Knotter worm shaft                            |          |          |                                                                                 |
| 34       | F1680    | Washer, knotter worm shaft, 28 ga.            |          |          |                                                                                 |
|          | F657     | Washer, knotter worm shaft, 10 ga.            | TKN7843  |          | Twine knotter assembly complete with mounts, clutch assembly and brake assembly |
|          | F658     | Washer, knotter worm shaft, 14 ga.            |          |          |                                                                                 |
|          | F659     | Washer, knotter worm shaft, 18 ga.            | TKN7844  |          | Twine knotter shaft assembly with clutch and brake disc                         |
| 35       | F7875    | Knotter worm only                             |          |          |                                                                                 |
| 36       | F7876    | Knotter worm and shaft complete               |          |          |                                                                                 |



**TWINE FINGER DRIVE**

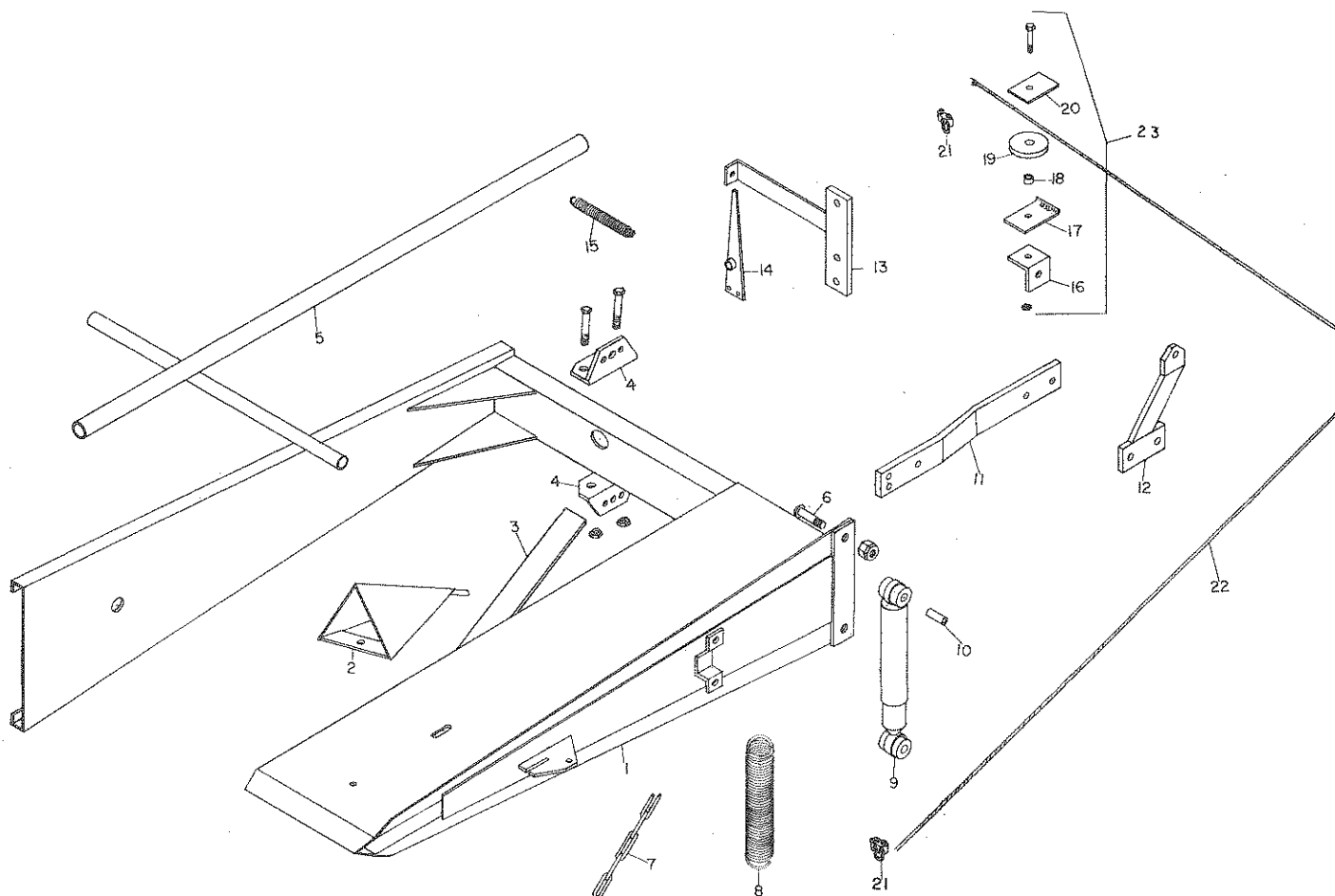
| REF. NO. | PART NO. | DESCRIPTION                                   |
|----------|----------|-----------------------------------------------|
| 1        | F8369    | Twine knotter mount, L.H.                     |
| 2        | F8095    | Bearing, twine finger drive rod               |
|          | F6003    | Bearing only, RA100NPPB                       |
|          | F8384    | Locking collar only, S100K                    |
|          | F6004    | Flangette only, 52MST                         |
| 3        | F7959    | Twine finger stop bracket                     |
| 4        |          | 3/8" N.C. nut, 2 used                         |
| 5        |          | 3/8" x 2" N.C. cap screw                      |
| 6        |          | 1/2" N.C. nut, 2 used as spacers              |
| 7        |          | 5/16" x 1 1/2" N.C. cap screw, 4 used         |
| 8        |          | 3/8" washer, 2 used                           |
| 9        |          | 1/4" x 1 1/4" N.C. cap screw                  |
| 10       | F1572    | Cam follower                                  |
| 11       | F1517    | Spring, twine finger return                   |
| 12       |          | 1/4" x 1" N.C. cap screw                      |
| 13       | F8392    | Twine finger drive shaft assembly             |
| 14       |          | 5/16" x 1" N.C. cap screw                     |
| 15       | F8391    | Twine finger drive rod                        |
| 16       | F7885    | Twine finger                                  |
| 17       | F181     | Bushing, twine finger                         |
| 18       | F1295    | Ball joint, twine finger drive, L.H. thread   |
|          | F1343    | Ball only, for F1295                          |
|          | F1345    | Body only, L.H. threads for F1295             |
|          | F1346    | Threaded plug for F1295                       |
|          | F1347    | Half bearing & spring for F1295               |
| 19       | F1672    | 3/8" x 2 1/2", Grade 8 carriage bolt with nut |
| 20       | F1294    | Ball joint, twine finger drive, R.H. thread   |
|          | F1343    | Ball only, for F1294                          |
|          | F1344    | Body only, R.H. threads for F1294             |
|          | F1346    | Threaded plug for F1294                       |
|          | F1347    | Half bearing & spring for F1294               |



## TWINE BOX AND TWINE GUIDES

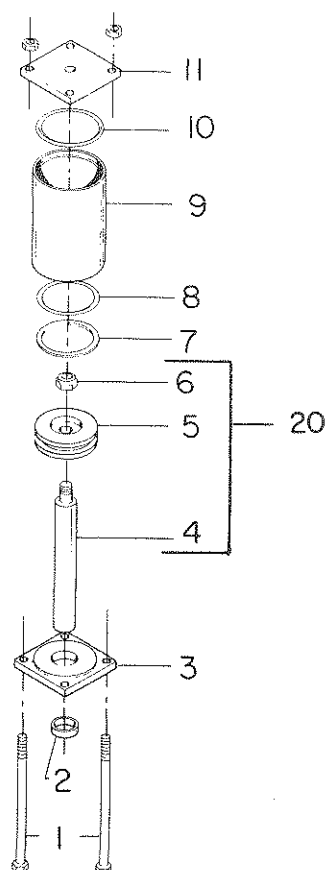
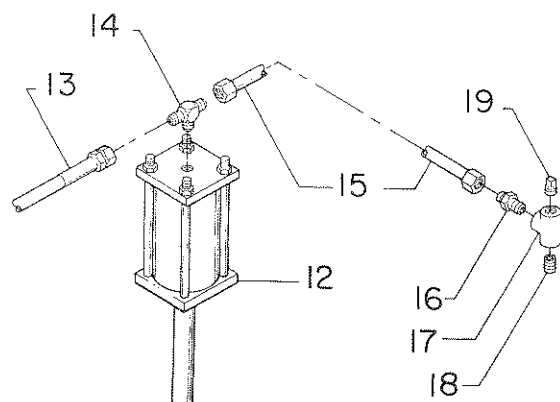
| REF. NO. | PART NO. | DESCRIPTION                                                            |
|----------|----------|------------------------------------------------------------------------|
| 1        | F7927    | Twine box hold down rod                                                |
| 2        | F7541    | Spring, twine box hold down                                            |
| 3        | F7928    | Set collar, 5/16"                                                      |
| 4        | F7929    | Twine box side                                                         |
| 5        | F7930    | Twine box end                                                          |
| 6        | F7931    | Twine box hold down                                                    |
| 7        | F7932    | Twine box bottom                                                       |
| 8        | F7933    | Twine box top section                                                  |
| 9        |          | 3/8" x 3/4" flat head machine screw                                    |
| 10       | F7890    | Twine tension top                                                      |
| 11       | F7889    | Twine tension base                                                     |
| 12       | F7891    | Twine tension assembly                                                 |
| 13       | F7898    | Twine guide bushing holder                                             |
| 14       | F857     | Snap ring for F856                                                     |
| 15       | F856     | Twine guide bushing                                                    |
| 16       | F7934    | Twine guide bracket                                                    |
| 17       | F7935    | Twine box hold down bolt                                               |
| 18       |          | 1/4" x 1/2" flat head machine screw                                    |
| 19       | F7936    | Twine box complete, 9 compartment, large plastic twine ball, Ref. 1-18 |
| 20       | F7937    | Twine box bracket                                                      |
| 21       | F6318    | Twine box clamp                                                        |
| 22       |          | 3/8" x 5" N.C. cap screw                                               |
| 23       | F7556    | Bottom support plate for F7555                                         |
| 24       |          | 1/2" x 5 1/2" N.C. cap screw                                           |
| 25       | F7938    | Twine box base tube with end mount                                     |
| 26       | F8194    | Twine box mounting bracket, R.H.                                       |
| 27       |          | 3/8" x 1" N.C. cap screw                                               |

| REF. NO. | PART NO. | DESCRIPTION                                                                                       |
|----------|----------|---------------------------------------------------------------------------------------------------|
| 28       | F524     | Holder for twine guide bushing                                                                    |
| 29       | F7973    | Holder for needle twine guide bushing                                                             |
| 30       | F8064    | Twine box, 6 compartment, dome lid                                                                |
|          | F7974    | Twine box, 8 compartment, dome lid                                                                |
|          | F8389    | Twine box, 12 compartment, dome lid                                                               |
| 31       | F7555    | Twine box tube mounting bracket, left hand                                                        |
| 32       | F7985    | Twine box, 9 compartment large plastic twine balls, complete with base tube and mounting brackets |
| 33       | F6317    | Twine box bracket                                                                                 |
| 34       | F8279    | Guard, twine tension                                                                              |
| 35       | F1465    | Twine box, 4 compartment                                                                          |
| 36       | F7136    | Bracket for mount, 4 compartment, twine can                                                       |



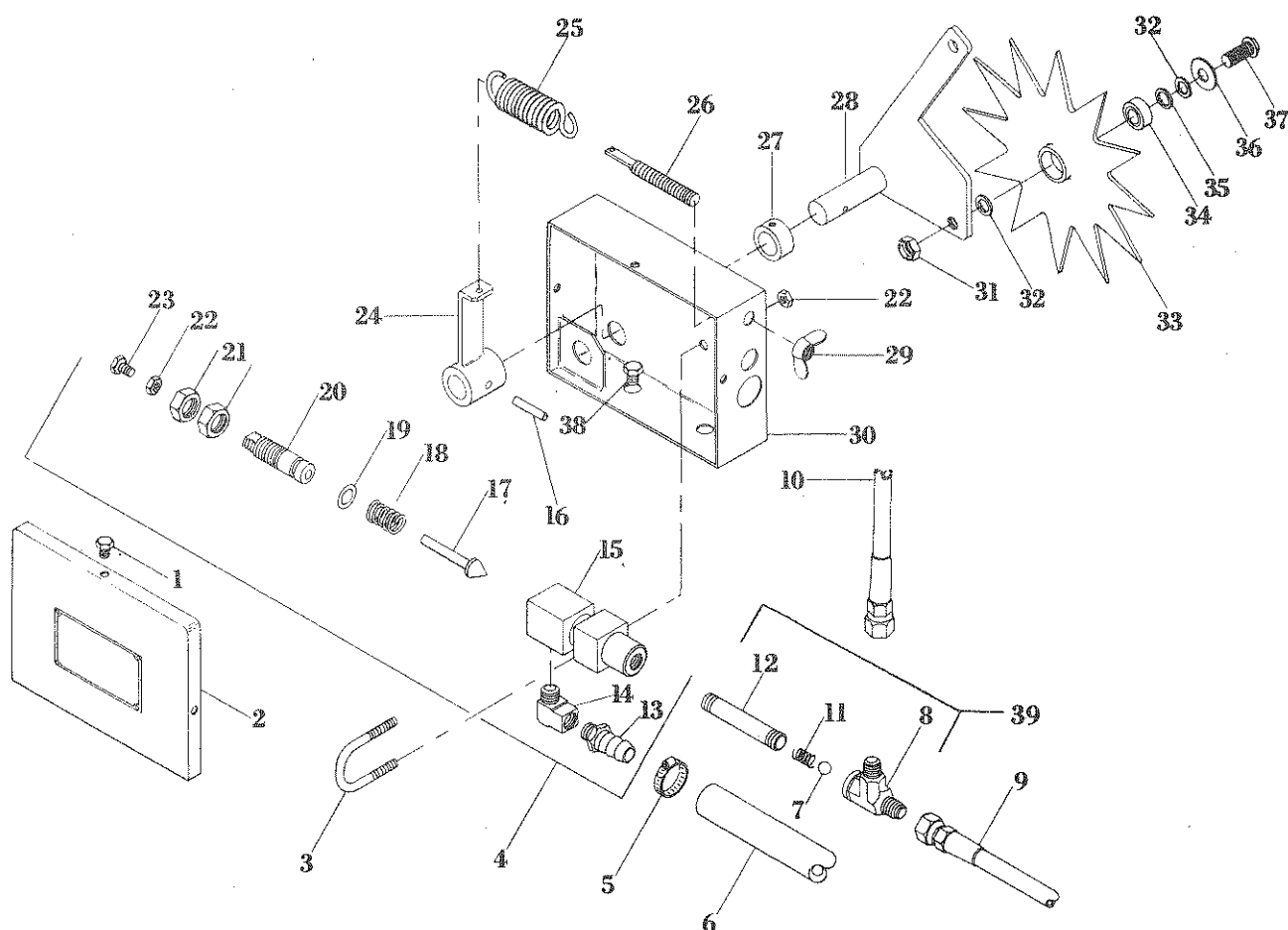
### BALE CHUTE AND WEIGHT INDICATOR

| REF. NO. | PART NO. | DESCRIPTION                              | REF. NO. | PART NO. | DESCRIPTION                            |
|----------|----------|------------------------------------------|----------|----------|----------------------------------------|
| 1        | F7601    | Bale chute, frame only                   | 12       | F1639    | Cable bracket                          |
| 2        | F7655    | Bale turner                              | 13       | F997     | Weight indicator bracket               |
| 3        | F7656    | Bale skid                                | 14       | F998     | Indicator hand                         |
| 4        | F7657    | Bale skid bracket, 2 used                | 15       | F268     | Indicator return spring                |
| 5        | F7624    | Flat chute adapter for combination chute | 16       | F999     | Mounting angle for F7236 sheave        |
| 6        | F7658    | Button head bolt, 1/2" x 1 1/2"          | 17       | F994     | Shield for F4067 roller                |
| 7        | F7659    | Chain, bale chute                        | 18       | F4068    | Bushing for F4067 roller               |
| 8        | F985     | Spring, bale chute                       | 19       | F4067    | Roller for F7236 sheave                |
| 9        | F988     | Shock absorber                           | 20       | F995     | Plate for F4067 roller                 |
| 10       | F993     | Bushing for shock absorber               | 21       | F990     | Cable clamp, 1/8", 2 used              |
| 11       | F1638    | Shock absorber support                   | 22       | F7661    | Indicator cable, 1/8" aircraft 65"     |
|          |          |                                          | 23       | F7236    | Sheave complete, bale weight indicator |



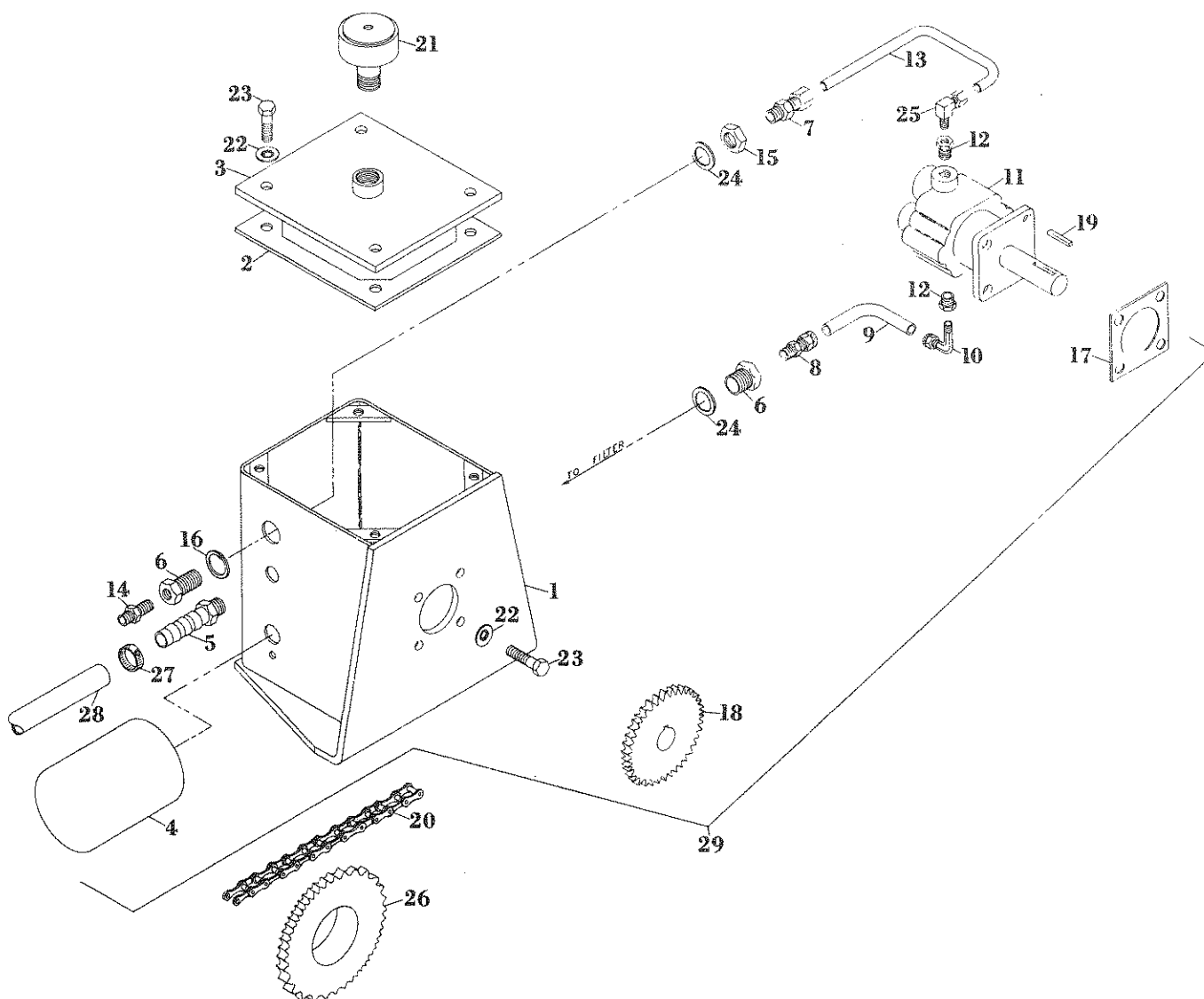
### TENSION CONTROL RAM

| REF. NO. | PART NO. | DESCRIPTION                                               |
|----------|----------|-----------------------------------------------------------|
| 1        | FT235    | Tie bolt with nut, 3/8" x 7 1/2", 4 used                  |
| 2        | FT19     | Bushing for FT14, 1" x 1 1/4" x 5/8"                      |
| 3        | FT14     | Cylinder bottom with bushing                              |
| 4        | FT233    | Piston rod                                                |
| 5        | FT236    | Piston head                                               |
| 6        |          | 1/2" NF elastic jam nut                                   |
| 7        | FT137    | Backup ring                                               |
| 8        | FT12     | "O" ring for piston                                       |
| 9        | FT234    | Cylinder, 1976                                            |
|          | FT250    | Cylinder, 1977                                            |
| 10       | FT15     | "O" ring top seal, 1976                                   |
|          | FT12     | "O" ring top seal, 1977                                   |
| 11       | FT13     | Cylinder top, 1976                                        |
|          | FT251    | Cylinder top, 1977                                        |
| 12       | FT232    | Cylinder complete, 1976                                   |
|          | FT7602   | Cylinder complete, 1977                                   |
| 13       | FT221    | Pressure hose, bypass to ram, 24"                         |
| 14       | FT220    | 3/8" JIC male branch tee, C5605 x 6 WH                    |
| 15       | FT230    | 3/8" steel tube, ram to ram                               |
| 16       | FT219    | 3/8" JIC male connector, C5205 x 6 WH                     |
| 17       | FT218    | Tee, 1/4"                                                 |
| 18       | FT217    | Nipple, 1/4" extra heavy black                            |
| 19       | FT75     | Pipe plug, 1/4"                                           |
| 20       | FT237    | Piston complete                                           |
|          | FT238    | Single ram assembly complete, including FT214 (not shown) |



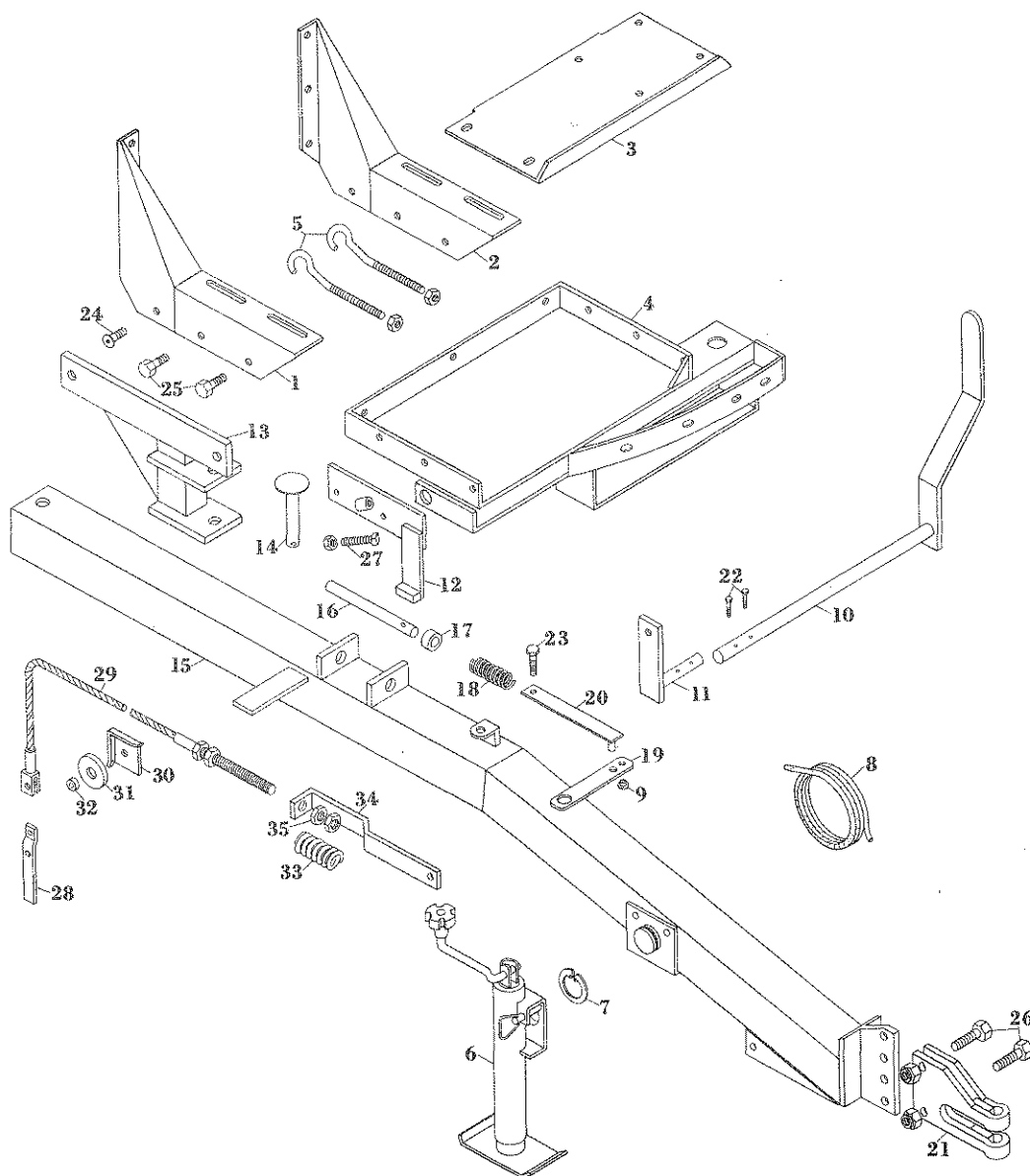
### TENSION CONTROL BYPASS BOX

| REF. NO. | PART NO. | DESCRIPTION                              | REF. NO. | PART NO. | DESCRIPTION                             |
|----------|----------|------------------------------------------|----------|----------|-----------------------------------------|
| 1        |          | 1/4" x 1/2" N.C. cap screw               | 22       |          | 1/4" N.C. nut                           |
| 2        | FT50     | Bypass box cover                         | 23       |          | 1/4" x 1 1/4" N.C. cap screw            |
| 3        | FT58     | U-Bolt                                   | 24       | FT245    | Bypass lever                            |
| 4        | FT185    | Bypass assembly complete                 | 25       | FT213    | Adjusting screw tension spring          |
| 5        | FT252    | Hose clamp, GS-5 Murray                  | 26       | FT6205   | Adjusting screw                         |
| 6        | FT191    | Bypass return hose, 1/2" x 93"           | 27       | FT172    | 3/4" set collar                         |
| 7        | FT512    | Check ball                               | 28       | FT246    | Penetration wheel arm                   |
| 8        | FT224    | 3/8" JIC female run tee, C5805 x 6 WH    | 29       | FT62     | Wing nut                                |
| 9        | FT225    | 1/4" hydraulic hose, pump to bypass, 90" | 30       | FT194    | Bypass box                              |
| 10       | FT221    | 1/4" hydraulic hose, bypass to ram, 24"  | 31       |          | 3/8" pal nut                            |
| 11       | FT248    | Spring, LC-O-26-E-11 Lee                 | 32       | FT209    | Washer, 14 ga., 3/8" x 5/8"             |
| 12       | FT223    | 1/4" x 3" extra strong black nipple      | 33       | FT178    | Penetration wheel with bearing          |
| 13       | FT193    | 1/2" hose nipple                         | 34       | FT179    | Bearing, BR9904                         |
| 14       | FT188    | 3/8" street elbow, 3400 x 6 WH           | 35       | FT210    | Washer, 18 ga., 3/8" x 5/8"             |
| 15       | FT184    | Bypass cylinder                          | 36       | FT123    | Washer, 3/8"                            |
| 16       |          | 1/4" x 1 1/4" roll pin                   | 37       | FT211    | Button head bolt, 3/8" x 1"             |
| 17       | FT87     | Bypass check pin                         | 38       |          | 3/8" x 1/2" N.C. cap screw              |
| 18       | FT63     | Spring, bypass check pin                 | 39       | FT249    | Ball check assembly                     |
| 19       | FT53     | O-Ring, bypass                           |          |          |                                         |
| 20       | FT54     | Plunger, less nuts                       |          |          |                                         |
| 21       | FT55     | Jam nut, 5/8"                            |          |          |                                         |
|          |          |                                          |          | FT192    | Bypass box complete, Less pressure hose |



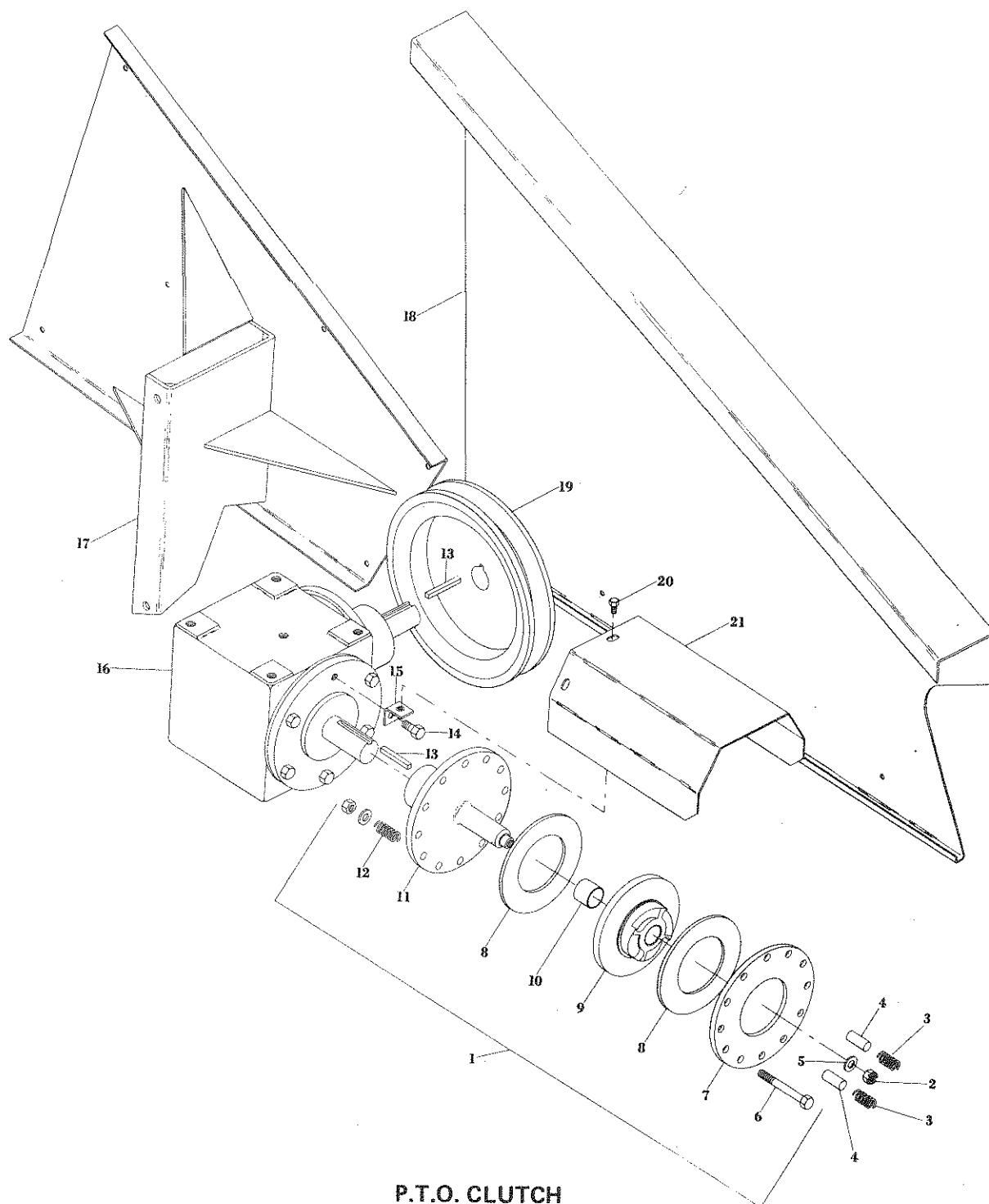
### TENSION CONTROL PUMP ASSEMBLY

| REF. NO. | PART NO. | DESCRIPTION                               | REF. NO. | PART NO. | DESCRIPTION                                         |
|----------|----------|-------------------------------------------|----------|----------|-----------------------------------------------------|
| 1        | FT558    | Tank                                      | 15       | FT552    | 3/4" bulkhead nut, W 21204                          |
| 2        | FT559    | Tank cover gasket                         | 16       | FT553    | 3/4" x 1" x 1/16" fiber washer, Seastrom 5600-64-62 |
| 3        | FT545    | Tank cover                                | 17       | FT548    | Gasket, pump flange                                 |
| 4        | FT546    | Filter, PH966B Fram                       | 18       | FT555    | Driven sprocket, 40B15 x 9/16"                      |
| 5        | FT193    | Hose nipple                               | 19       | FT556    | 1/8" x 1" square key                                |
| 6        | FT549    | Bulkhead fitting W21204 WH                | 20       | FT556    | Drive chain, 73P No. 40                             |
| 7        | F8221    | 1/4" male connector, 68 x 4 x 4 WH        | 21       | FT530    | Breather cap                                        |
| 8        | FT550    | Male connector, 268P 3/8" x 1/4" Imperial | 22       | FT538    | Seal washer, 5/16"                                  |
| 9        | F8331    | 3/8" tube with support spring             | 23       |          | 5/16" x 1" N.C. cap screw                           |
| 10       | F8209    | Male elbow, 269P 3/8" x 1/4" Imperial     | 24       |          | 3/4" internal star lock washer                      |
| 11       | FT547    | Pump, 22YB-012-2R Webster                 | 25       | F8227    | 1/4" male elbow, 69 x 4 x 4 WH                      |
| 12       | FT561    | Seal kit for FT547 pump                   | 26       | FT557    | Drive sprocket, 40B30 x 2-1/8"                      |
| 13       | FT103    | 3/8" x 1/4" reducer bushing               | 27       | FT252    | Hose clamp, GS-5 Murray                             |
| 14       | FT551    | 1/4" copper tubing, 3" long               | 28       | FT191    | Bypass return hose, 1/2" x 93"                      |
|          | FT219    | Male connector, C5205 x 6 WH              | 29       | FT560    | Pump & tank assembly, complete less hose            |



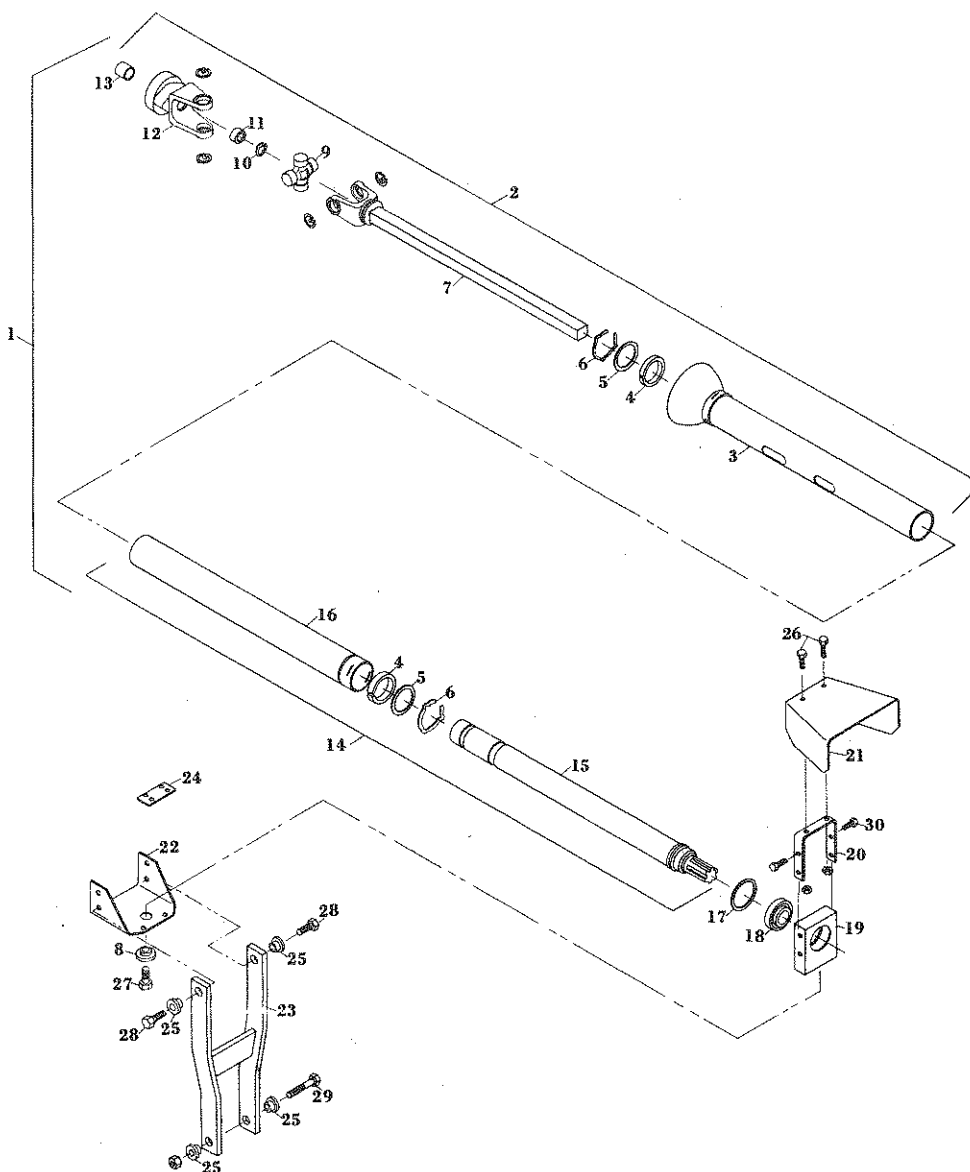
### DRAWBAR AND P.T.O. MOUNT

| REF. NO. | PART NO. | DESCRIPTION                        | REF. NO. | PART NO. | DESCRIPTION                              |
|----------|----------|------------------------------------|----------|----------|------------------------------------------|
| 1        | F7848    | P.T.O. gear box mount, R.H.        | 18       | F7003    | Spring, drawbar locking pin              |
| 2        | F7849    | P.T.O. gear box mount, L.H.        | 19       | F7283    | Actuating lever, drawbar locking pin     |
| 3        | F7364    | P.T.O. gear box plate              | 20       | F7795    | Link, drawbar locking pin                |
| 4        | F7280    | Hitch base plate                   | 21       | F183     | Front end hitch                          |
| 5        | F7010    | Adjusting bolt, 2 used             | 22       |          | 1/4" x 1 1/4" N.C. cap screw             |
| 6        | F1833    | Front end swinging jack            | 23       |          | 1/2" x 2" N.C. cap screw                 |
|          | F1831    | Thrust bearing                     | 24       |          | 1/2" x 1 1/4" button head bolt           |
|          | F1839    | Lock pin assembly                  | 25       |          | 1/2" x 1 1/4" N.F. cap screw             |
| 7        | F1834    | Snap ring                          | 26       |          | 5/8" x 2 1/2" N.C. cap screw             |
| 8        | F7005    | Rope, drawbar pin, 9'              | 27       |          | 1/2" x 1 1/2" N.C. square head set screw |
| 9        | F440     | Ferrule                            | 28       | F7194    | Pickup lift bracket                      |
| 10       | F7281    | Pickup lift lever, P.T.O. baler    | 29       | F7565    | Pickup lift cable with ends              |
| 11       | F7681    | Pickup lift crank                  | 30       | F7590    | Sheave clip, pickup lift roller          |
| 12       | F7682    | Pickup lift lever stop bracket     | 31       | F8192    | Roller for pickup lift                   |
| 13       | F7007    | Pivot pin bracket                  | 32       | F8193    | Bushing for F8192 roller                 |
| 14       | F7006    | Drawbar pivot pin                  | 33       | F7566    | Cushion spring, pickup cable             |
| 15       | F1835    | Drawbar for P.T.O. baler           | 34       | F7567    | Cable connecting link for cushion spring |
| 16       | F7002    | Drawbar locking pin                | 35       |          | 11/16" N.C. jam nut                      |
| 17       | F7004    | Set collar for drawbar locking pin |          |          |                                          |



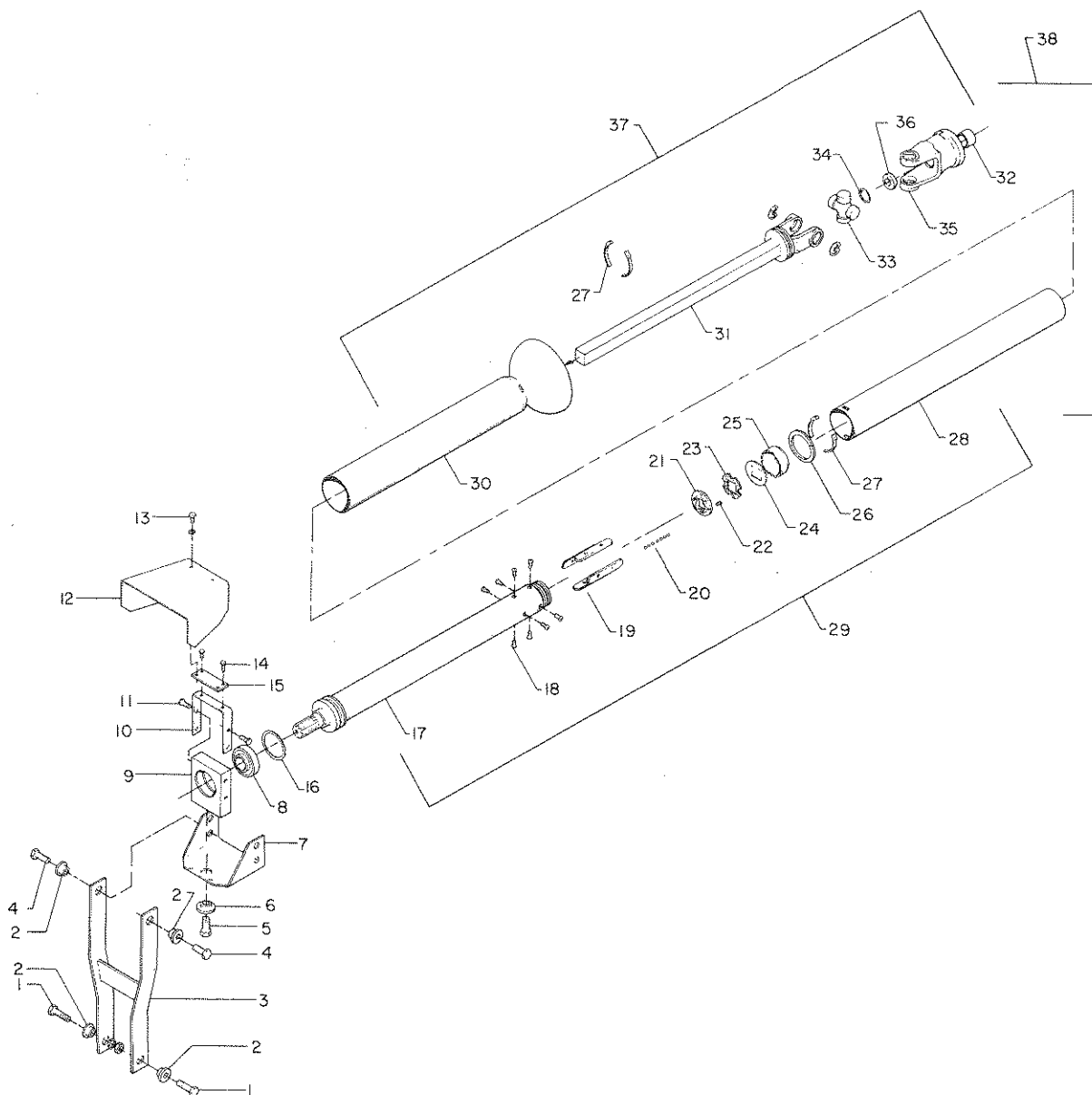
### P.T.O. CLUTCH

| REF. NO. | PART NO. | DESCRIPTION                                                                   | REF. NO. | PART NO. | DESCRIPTION                                     |
|----------|----------|-------------------------------------------------------------------------------|----------|----------|-------------------------------------------------|
| 1        | F8178    | P.T.O. clutch assembly                                                        | 12       | F1797    | Spring, 12 used on 540 rpm, 6 used on 1000 rpm. |
| 2        |          | ½" N.C. slotted nut                                                           | 13       |          | 5/16" x 5/16" x 1-1/8 key                       |
| 3        | F1790    | Spring, 2 used                                                                | 14       |          | 9/16" x 1½" N.C. cap screw                      |
| 4        | F1791    | Clutch pin, 2 used                                                            | 15       | F1800    | Clip, shield, 3 used                            |
| 5        |          | ½" spring lock washer                                                         | 16       | F1412    | Gear box complete, 540 rpm.                     |
| 6        |          | 3/8" x 3¼" hex head cap screw,<br>12 used on 540 rpm.,<br>6 used on 1000 rpm. | 17       | F1780    | Gear box complete, 1000 rpm.                    |
| 7        | F1792    | Clutch plate                                                                  | 18       | F8324    | Mounting bracket drive belt shield              |
| 8        | F1793    | Friction disc, 2 used                                                         | 19       | F8325    | Drive belt shield                               |
| 9        | F1794    | Clutch plate assembly w/bushing                                               | 20       | F1798    | Sheave, P.T.O., 1-3/8" bore                     |
| 10       | F1795    | Bushing                                                                       | 21       |          | ¾" x ¾" N.C. cap screw, 3 used                  |
| 11       | F1796    | Clutch pilot                                                                  |          | F1799    | Shield, rear "U" joint                          |



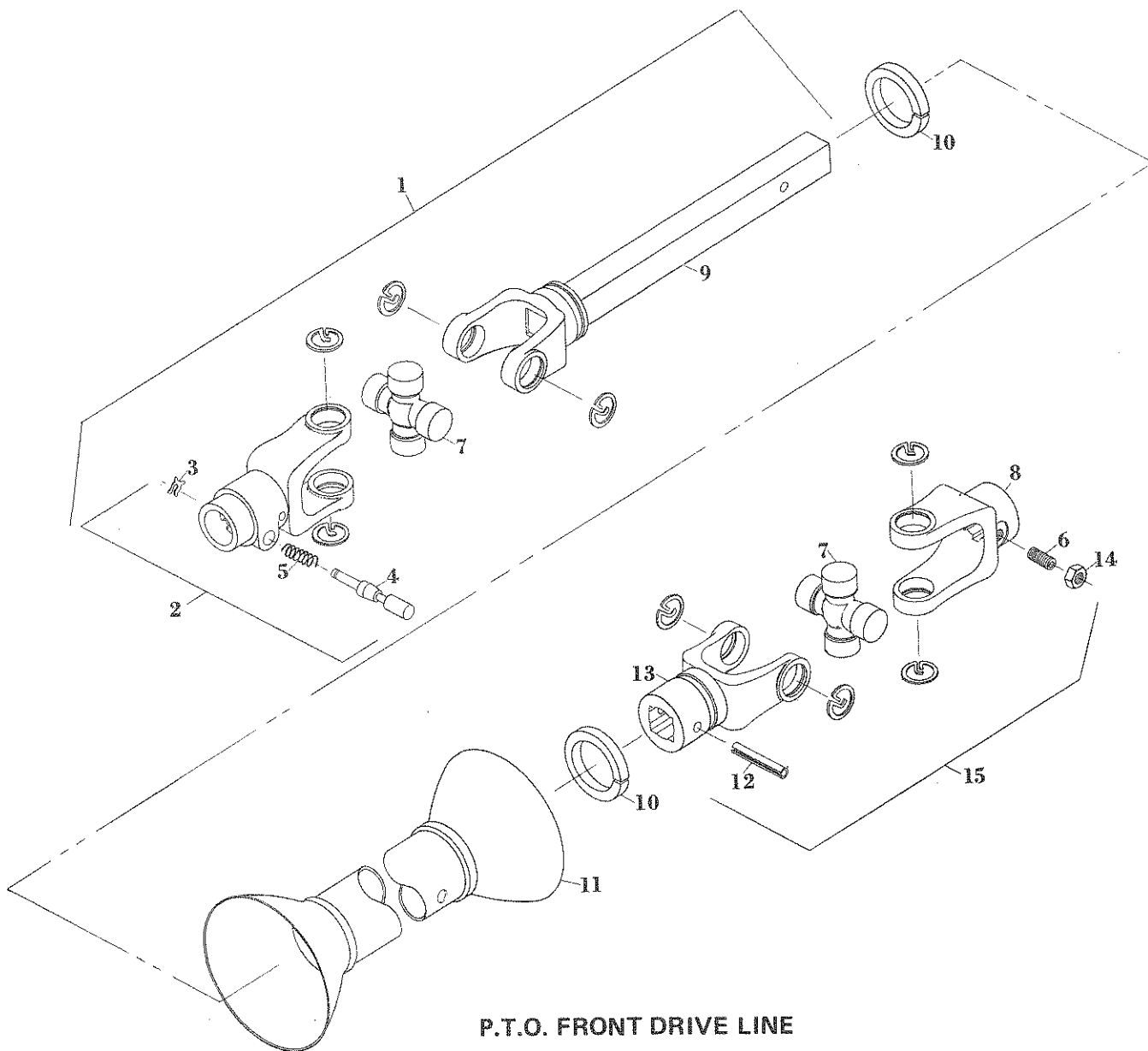
### P.T.O. REAR DRIVE LINE, 1976

| REF. NO. | PART NO. | DESCRIPTION                                  | REF. NO. | PART NO. | DESCRIPTION                           |
|----------|----------|----------------------------------------------|----------|----------|---------------------------------------|
| 1        | F1802    | Telescoping driveline complete, 922-18-39117 | 15       | F1821    | Tube & stub shaft assembly            |
| 2        | F1813    | Telescoping driveline, rear half             | 16       | F1822    | Outer shield tube                     |
| 3        | F1814    | Bell and inner shield tube                   | 17       | F1806    | Retaining ring, RR287 Spirolox        |
| 4        | F892     | Nylon bushing, 2 used                        | 18       | F1807    | Ball bearing, 207KRR Fafnir           |
| 5        | F891     | Thrust washer, 2 used                        | 19       | F1808    | Pedestal bearing housing              |
| 6        | F1728    | Shield snap ring, 2 used                     | 20       | F1805    | Shield bracket, front universal joint |
| 7        | F1815    | Yoke and shaft assembly                      | 21       | F1804    | Shield, front universal joint         |
| 8        | F1801    | Swivel bushing pedestal bearing              | 22       | F1809    | Pedestal bearing bracket              |
| 9        | F889     | Universal cross repair kit                   | 23       | F1810    | Bearing pedestal                      |
| 10       | F1816    | Bearing retainer ring, N 5000-137            | 24       | F1803    | Adaptor, shield                       |
| 11       | F1817    | Ball bearing, flange yoke, 9103 PP Fafnir    | 25       | F1811    | Pedestal tilt bushing, 4 used         |
| 12       | F1818    | Flange yoke                                  | 26       |          | 1/4" x 3/4" N.C. cap screw, 2 used    |
| 13       | F1819    | Bushing, flange yoke                         | 27       |          | 5/8" x 1 1/2" N.C. cap screw          |
| 14       | F1820    | Telescoping drive line, front half           | 28       |          | 1/2" x 1 1/2" N.C. cap screw, 2 used  |
|          |          |                                              | 29       |          | 1/2" x 2" NCHT cap screw, 2 used      |
|          |          |                                              | 30       |          | 5/16" x 3/4" N.C. cap screw, 4 used   |



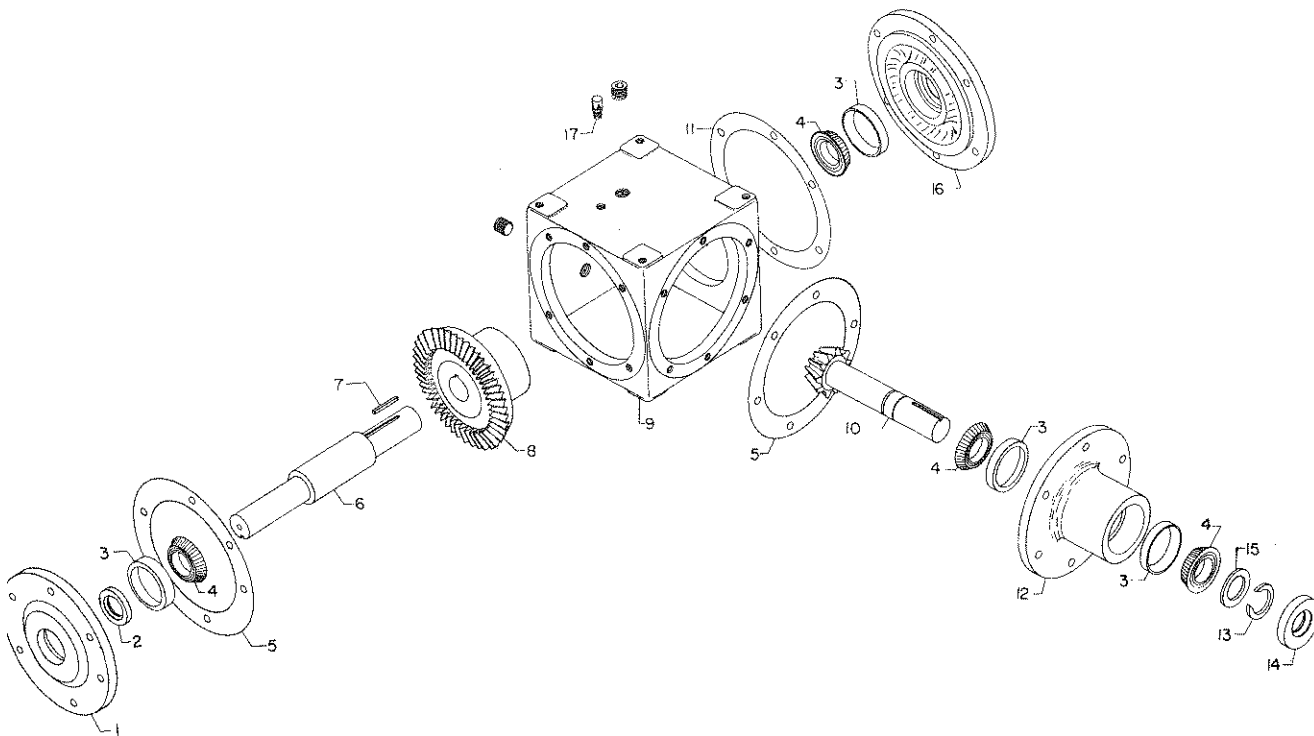
### P.T.O. REAR DRIVE LINE, 1977

| REF. NO. | PART NO. | DESCRIPTION                           | REF. NO. | PART NO.   | DESCRIPTION                              |
|----------|----------|---------------------------------------|----------|------------|------------------------------------------|
| 1        |          | 1/2" x 2" NCHT cap screw, 2 used      | 20       | PTO2616    | Balls, 164 used                          |
| 2        | F1811    | Pedestal tilt bushing, 4 used         | 21       | PTO2611    | End cap                                  |
| 3        | F1810    | Bearing pedestal                      | 22       | PTO2613    | Nylox cap screw, 4 used                  |
| 4        |          | 1/2" x 1 1/2" N.C. cap screw, 2 used  | 23       | PTO2608    | Felt wiper                               |
| 5        |          | 5/8" x 1 1/2" N.C. cap screw          | 24       | PTO2618    | Nylon retainer                           |
| 6        | F1801    | Swivel bushing, pedestal bearing      | 25       | PTO2607    | Wiper retainer                           |
| 7        | F1809    | Pedestal bearing bracket              | 26       | PTO2646    | Nylon bearing                            |
| 8        | F1807    | Ball bearing, 207 KRR Fafnir          | 27       | PTO2691    | Shield bearing, 4 used                   |
| 9        | F1808    | Pedestal bearing housing              | 28       | PTO337083  | Inner shield                             |
| 0        | F1805    | Shield bracket, front universal joint | 29       | PTO2293753 | Telescoping drive line, front half       |
| 1        |          | 5/16" x 3/4" N.C. cap screw, 4 used   | 30       | PTO3622825 | Outer shield                             |
| 2        | F1804    | Shield, front universal joint         | 31       | PTO2112831 | Yoke and shaft assembly                  |
| 3        |          | 1/4" x 3/4" N.C. cap screw, 2 used    | 32       | F1819      | Bushing, flange yoke                     |
| 4        |          | 1/4" x 1" N.C. cap screw, 2 used      | 33       | F889       | Universal cross repair kit, 2275x        |
| 5        | F1803    | Adapter, shield                       | 34       | F1816      | Bearing retainer ring, N5000-137         |
| 6        | F1806    | Retaining ring, RR 287 Spirolox       | 35       | F1818      | Flange yoke, 211J9X                      |
| 7        | PTO2612  | Tube and stub shaft assembly          | 36       | F1817      | Ball bearing, flange yoke, 9103PP Fafnir |
| 8        | PTO2614  | Button head socket screw, 8 used      | 37       | PTO2612132 | Telescoping drive line, rear half        |
| 9        | PTO2609  | Ball retainer, 4 used                 | 38       | PTO2293612 | Telescoping drive line, complete         |



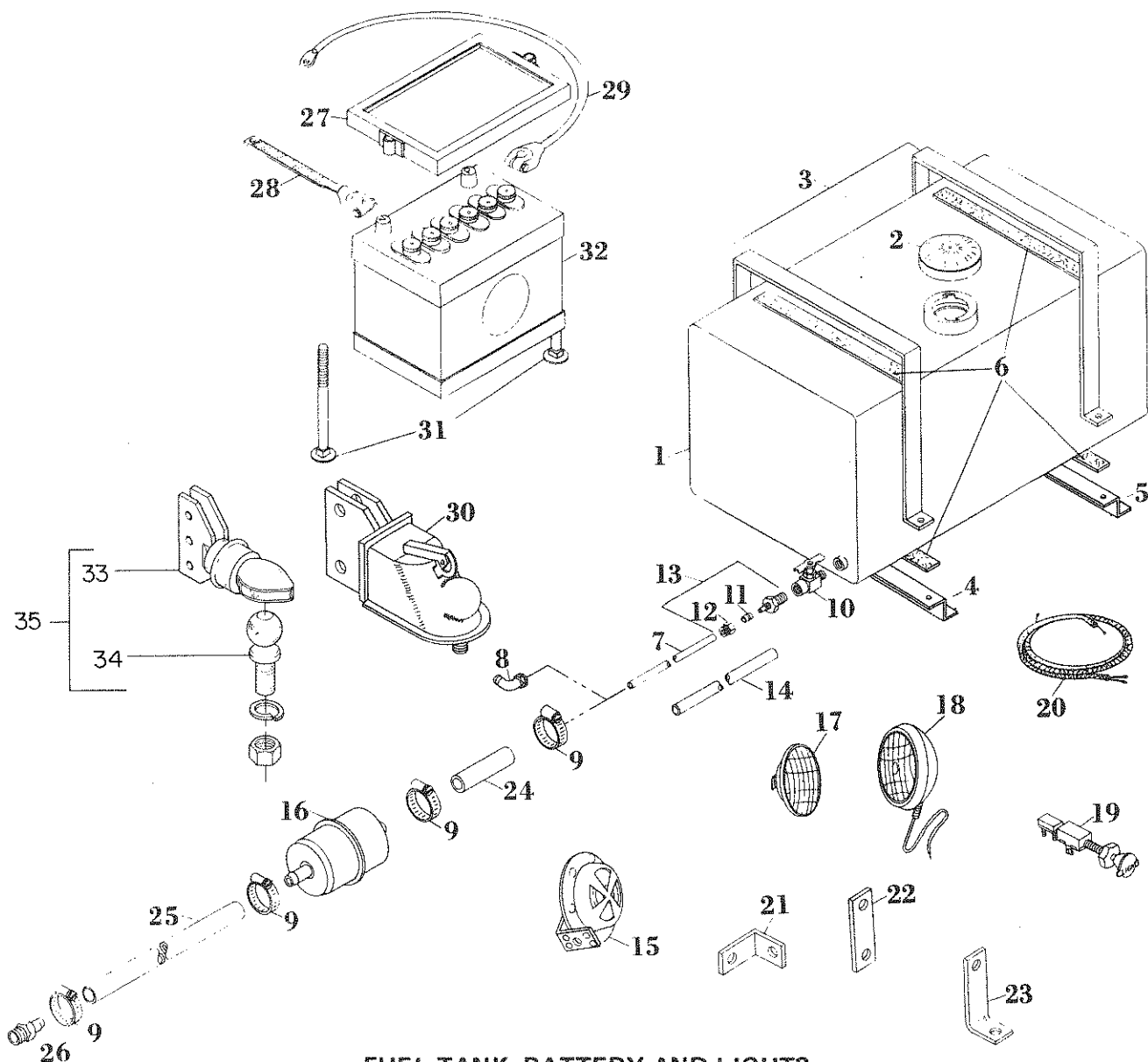
### P.T.O. FRONT DRIVE LINE

| REF. NO. | PART NO. | DESCRIPTION                                                        |
|----------|----------|--------------------------------------------------------------------|
| 1        | F1846    | Universal joint & shaft assembly, 540 rpm.                         |
|          | F1847    | Universal joint & shaft assembly, 1000 rpm.                        |
| 2        | F890     | Yoke assembly, QD, 1-3/8" — 6 spline, w/lock pin                   |
|          | F8181    | Yoke assembly, QD 1-3/8" — 21 involute spline w/lock pin 1000 rpm. |
| 3        | F1107    | Lock pin washer                                                    |
| 4        | F1106    | Lock pin                                                           |
| 5        | F1108    | Spring lock pin                                                    |
| 6        | F1828    | Set screw, 1/2" x 1 1/4" NF hex socket                             |
| 7        | F889     | Universal cross repair kit                                         |
| 8        | F1823    | Yoke, 1-3/8" — 6 spline                                            |
| 9        | F1824    | Yoke & shaft assembly                                              |
| 10       | F1827    | Nylon bushing, 2 used                                              |
| 11       | F1825    | Shield & bell assembly                                             |
| 12       |          | Roll pin, 3/8" x 2"                                                |
| 13       | F1826    | Yoke, 1-3/16" square                                               |
| 14       |          | 1/2" N.F. jam nut                                                  |
| 15       | F8179    | Universal joint assembly                                           |
|          | F1812    | P.T.O. driveline assembly, complete, front, 540 rpm.               |
|          | F8180    | P.T.O. driveline assembly complete, front, 1000 rpm.               |



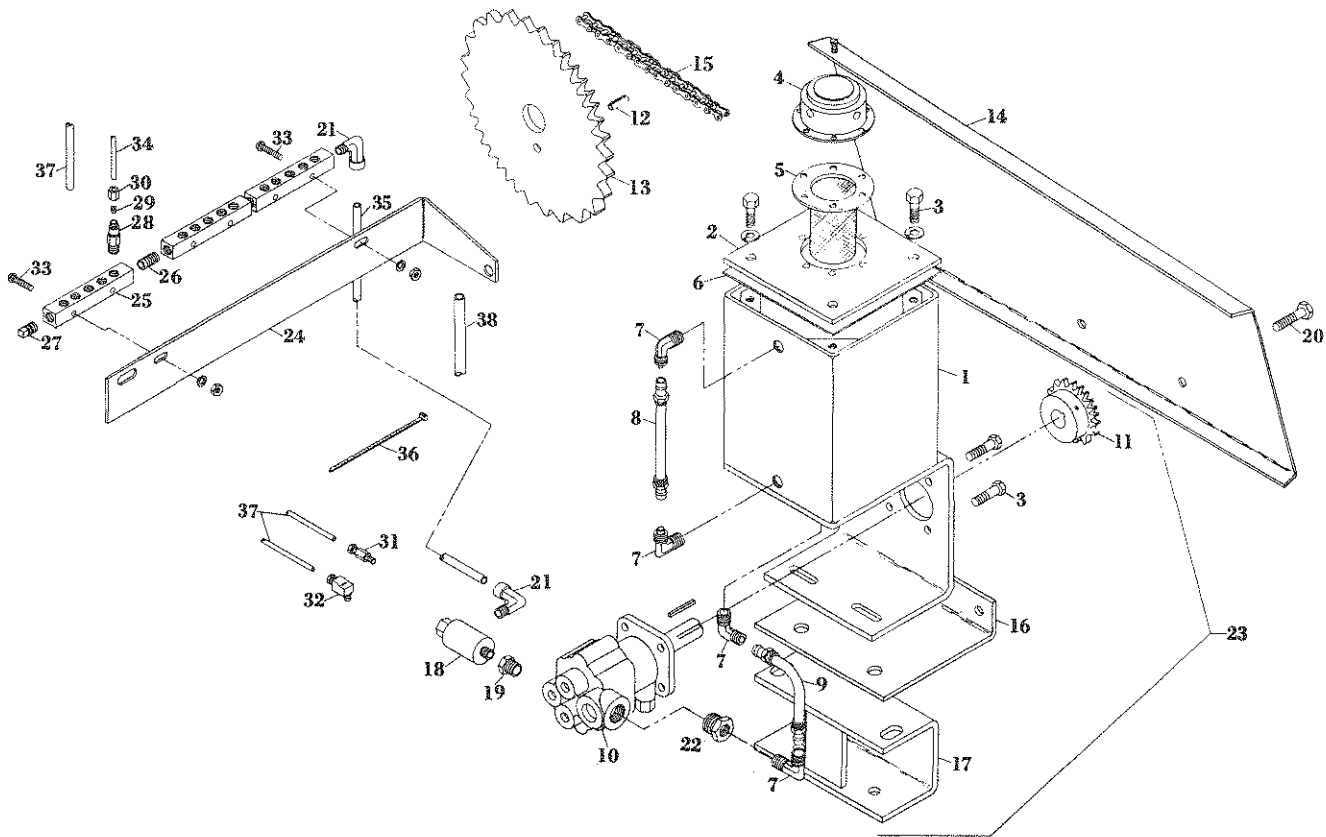
**P.T.O. GEAR BOX**  
(Use SAE 90 Gear Oil)

| REF. NO. | PART NO. | DESCRIPTION                                     | REF. NO. | PART NO. | DESCRIPTION                              |
|----------|----------|-------------------------------------------------|----------|----------|------------------------------------------|
|          | F1076    | Cap, drive shaft bearing (open end)             | 9        | F1407    | Case for gear box                        |
|          | F1085    | Seal, drive shaft (CR186112)                    | 10       | F1410    | Pinion and shaft, 13T for 540 rpm box    |
|          | F1084    | Bearing cup, pinion and drive shaft (LM 48510)  | 11       | F1779    | Pinion and shaft, 21T for 1000 rpm box   |
|          | F1083    | Bearing cone, pinion and drive shaft (LM 48548) |          | F1417    | Gasket (.005 thick) for F1409            |
|          | F1095    | Gasket, (.005 thick) for F1076 and F1078        | 12       | F1418    | Gasket (.010 thick) for F1409            |
|          | F1414    | Gasket, (.010 thick) for F1076 and F1078        | 13       | F1419    | Gasket (.015 thick) for F1409            |
|          | F1415    | Gasket, (.015 thick) for F1076 and F1078        |          | F1078    | Housing, pinion shaft bearing            |
|          | F1416    | Gasket, (1/32" thick) for F1076 and F1078       | 14       | F1087    | Snap ring, pinion shaft                  |
|          | F1601    | Drive shaft                                     |          | F1421    | Grease seal for pinion shaft (CR256112)  |
|          | F1093    | Key, drive shaft and sheave, 5/16" x 5/16" x 2" | 15       | F1420    | Steel shim (.003 thick)                  |
|          | F1411    | Bevel gear, 39T, for 540 rpm box                | 16       | F1409    | Cap, drive shaft bearing (closed end)    |
|          | F1778    | Bevel gear, 34T, for 1000 rpm box               | 17       | F1720    | Vent                                     |
|          |          |                                                 |          | F1412    | Gear box complete less sheave, 540 rpm.  |
|          |          |                                                 |          | F1780    | Gear box complete less sheave, 1000 rpm. |



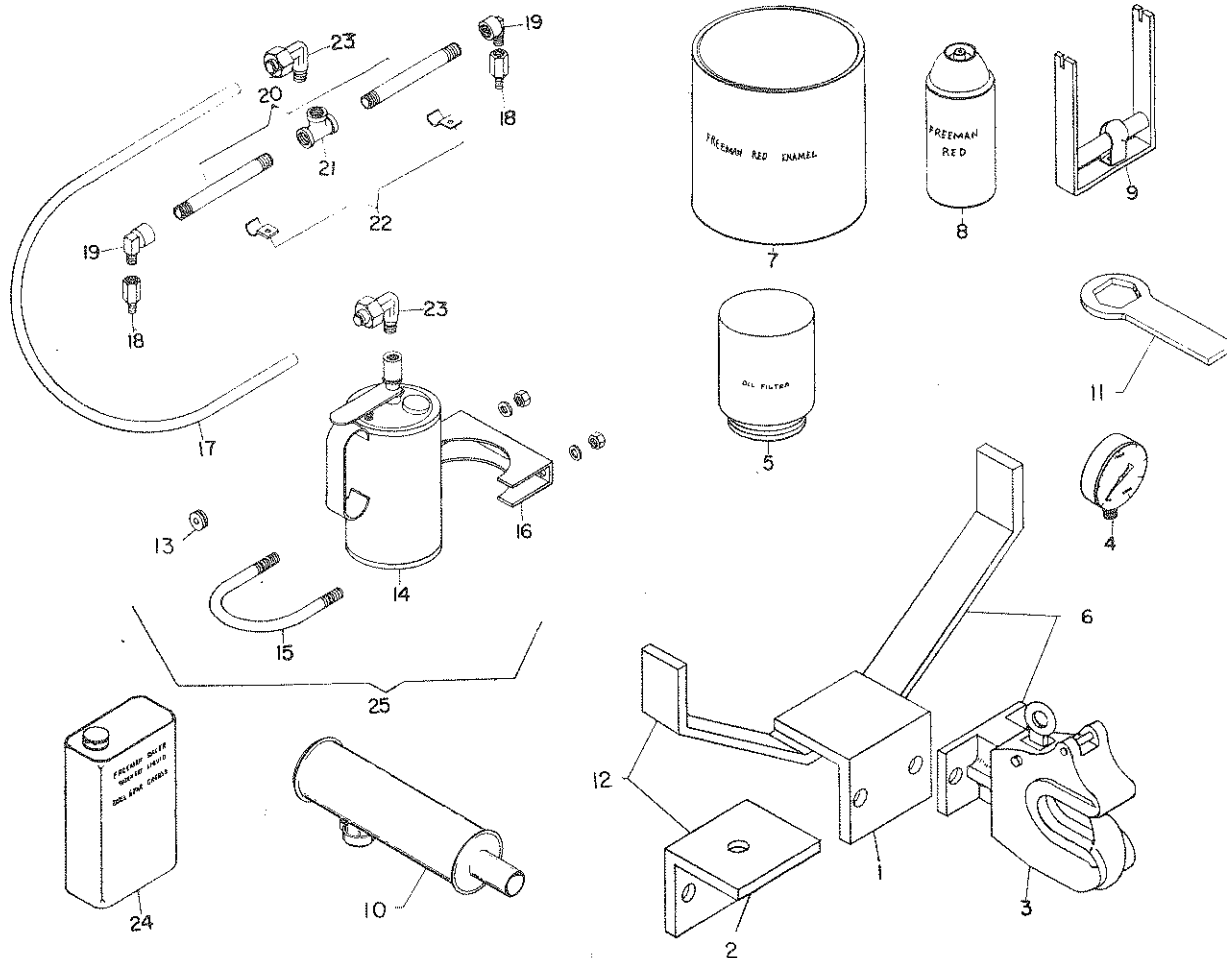
### FUEL TANK, BATTERY AND LIGHTS

| REF. NO. | PART NO. | DESCRIPTION                                              | REF. NO. | PART NO. | DESCRIPTION                              |
|----------|----------|----------------------------------------------------------|----------|----------|------------------------------------------|
| 1        | F1688    | Fuel tank with cap                                       | 19       | F862     | Switch for light kit                     |
| 2        | F1689    | Fuel tank cap for F1688                                  | 20       | F8326    | Wire harness, twine                      |
| 3        | F7046    | Fuel tank strap, 2 used                                  |          | F8327    | Wire harness, wire                       |
| 4        | F7295    | Fuel tank mounting bracket, front                        | 21       | F8061    | Mounting bracket, front light            |
| 5        | F7295    | Fuel tank mounting bracket, rear                         | 22       | F8062    | Mounting bracket, rear light             |
| 6        | F893     | Felt for tank straps - set of four                       | 23       | F6577    | Mounting bracket, center light           |
| 7        | F7049    | Fuel line only, 62"                                      | 24       | F8303    | 1/4" rubber gas line, 4", 19B            |
| 8        | F5233    | Elbow fitting for gas line, 269P-1/4" x 1/8", VH4D, VG4D | 25       | F8304    | 1/4" rubber gas line, 2", 19B            |
| 9        | F8301    | Hose clamp, GS-4 Murray                                  | 26       | F8305    | 1/4" male hose end, 1537 WH              |
| 10       | F8189    | Shut off valve, 6825 WH                                  | 27       | F5499    | Battery hold down bracket                |
| 11       | F6126    | Poly-sleeve, 260-P                                       | 28       | F7742    | Battery cable (ground) 12 volt           |
| 12       | F6127    | Nut & sleeve assembly, 261-P                             | 29       | F7743    | Battery cable (insulated) 12 volt        |
| 13       | F8190    | Straight male connector, 268-P 1/4" x 1/4"               | 30       | F1736    | Ball hitch complete with ball            |
| 14       | F8191    | Fuel line cover                                          |          | F1915    | Ball hitch complete w/ball for PTO baler |
| 15       | F1497    | Horn, wire alarm, 12 volt                                |          | F8067    | Hitch ball for F1736                     |
| 16       | F8302    | Fuel filter, 3012 NAPA                                   | 31       | F1691    | Bolt for battery box, (3/8" x 9")        |
| 17       | F5842    | Sealed beam unit, 12 volt                                |          | F1499    | Battery, 12 volt                         |
|          | F5941    | Sealed beam unit, 12 volt (comb. red & clear)            | 33       | HTH7562  | Ball hitch only, bulldog                 |
| 18       | F8059    | Light, front and center, 12 volt shock mounted           | 34       | HTH28400 | Hitch ball only, bulldog                 |
|          | F8060    | Light, rear combination, 12 volt shock mounted           | 35       | HTH7611  | Ball hitch complete with ball, bulldog   |
|          |          |                                                          |          | F8063    | Light kit, 12 volt, twine                |
|          |          |                                                          |          | F8364    | Light kit, 12 volt, wire                 |



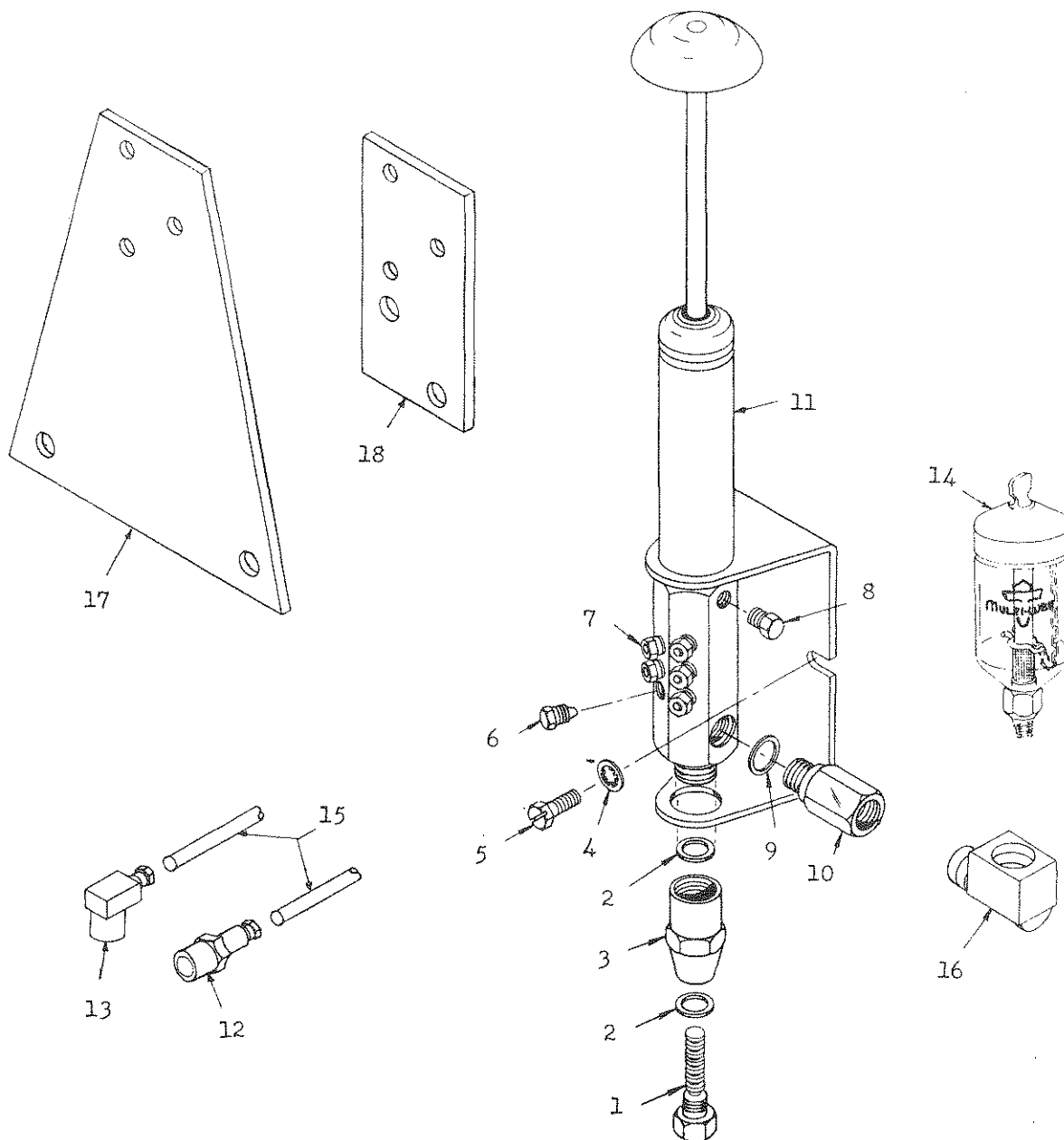
### AUTOMATIC LUBER (Uses SAE 30 Motor Oil)

| REF. NO. | PART NO. | DESCRIPTION                         | REF. NO. | PART NO. | DESCRIPTION                                        |
|----------|----------|-------------------------------------|----------|----------|----------------------------------------------------|
| 1        | F8196    | Luber tank & bracket                | 22       |          | 1/2" x 1/4" reducer bushing                        |
| 2        | F8197    | Tank cover                          | 23       | F8210    | Luber tank and pump assembly                       |
| 3        |          | 5/16" x 1" N.C. cap screw           | 24       | BKT7121  | Luber manifold bracket                             |
| 4        | F6268    | Filter cap                          | 25       | F8283    | Manifold block, 3 used                             |
| 5        | F6267    | Screen for tank filler              | 26       |          | 1/8" NPT close nipple, 2 used                      |
| 6        | F8198    | Gasket, cover to tank               | 27       |          | 1/8" pipe plug                                     |
| 7        | F8209    | 3/8" x 1/4" male elbow, 269P        | 28       | F8284    | Valve, 14 used, 381726-3                           |
| 8        | F8199    | Site guage                          | 29       | F8285    | Sleeve, 14 used, K328302-2                         |
| 9        | F8199    | 3/8" plastic tube                   | 30       | F8286    | Nut, 14 used, K328301-2                            |
| 10       | F8200    | Pump, Webster                       | 31       | F8287    | Straight fitting, 4 used, 66714 Lincoln            |
| 11       | F8201    | Sprocket, 41B15 x 9/16"             |          | F8306    | Sleeve only, 66260 Lincoln                         |
| 12       | F8228    | 1/4" x 3/4" roll pin                | 32       | F8288    | 90° fitting, 10 used, 66716 Lincoln                |
| 13       | F8202    | Sprocket, 41A40 x 1-3/8"            |          | F8306    | Sleeve only, 66260 Lincoln                         |
| 14       | F8203    | Chain shield                        | 33       |          | 10-32 x 1" round head machine screw                |
| 15       | F8204    | Chain, 93 pitch, RC 41              | 34       | F7400    | 1/8" nylon tubing                                  |
| 16       | F8205    | Chain shield bracket                | 35       | F8289    | 1/4" nylon tube, 28"                               |
| 17       | F8206    | Pump bracket                        | 36       | F8290    | Nylon tie strap, 6 per head                        |
| 18       | F8207    | Filter, 382050B1                    | 37       | F8291    | Cover for 1/8" tubing, SLV105-5                    |
|          | F8208    | Filter element                      | 38       | F8292    | Cover for 1/4" tubing, SLV105-1                    |
| 19       |          | 3/8" x 1/8" reducer bushing         |          |          |                                                    |
| 20       |          | 5/16" x 3/4" N.C. cap screw, 2 used |          |          |                                                    |
| 21       | F1441    | 90 degree elbow, 889L               |          |          |                                                    |
|          | F8312    | Sleeve for F1441                    |          | F8293    | Automatic luber complete for twine knotters, 2 tie |



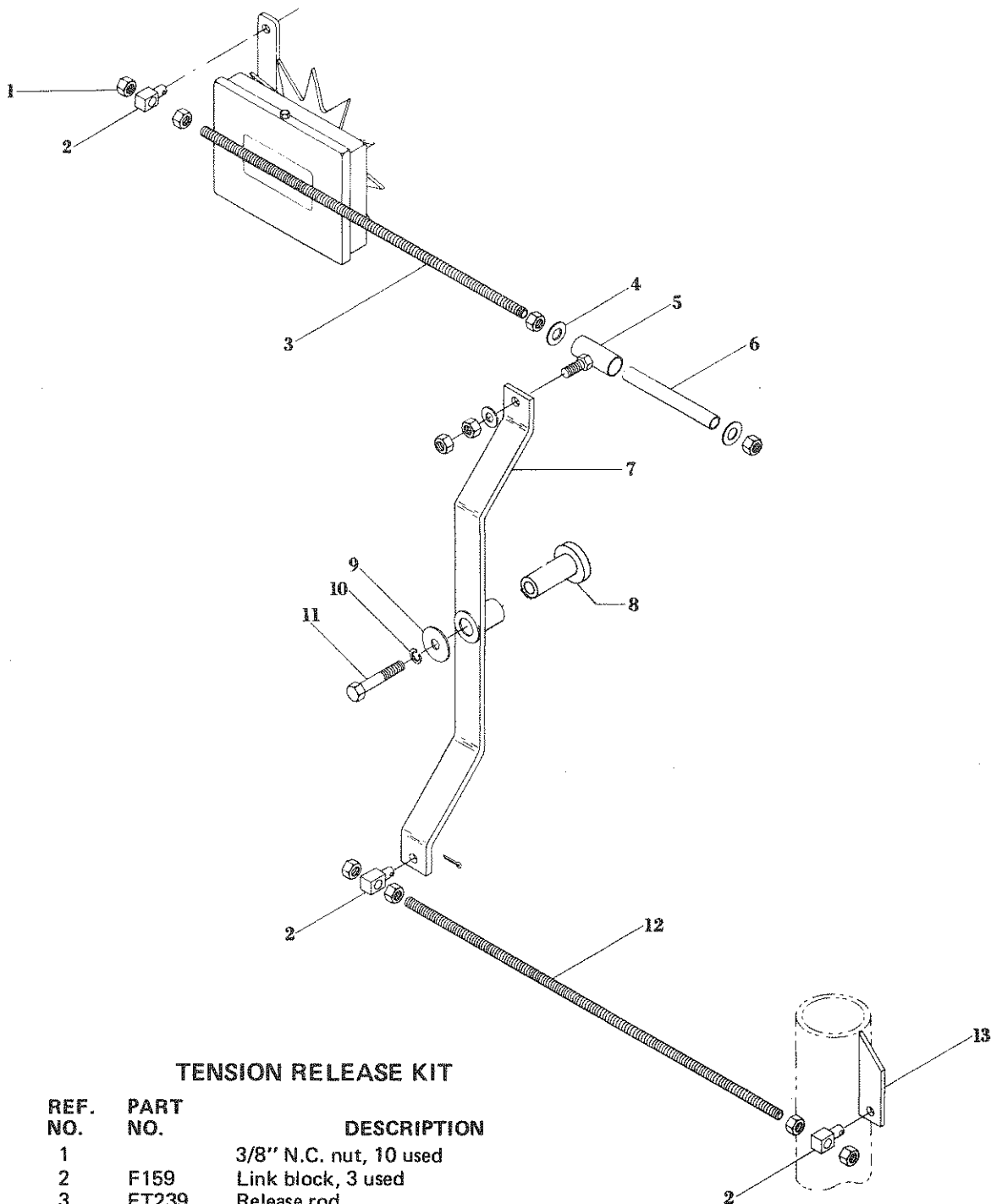
### EXTRA ITEMS

| REF. NO. | PART NO. | DESCRIPTION                                        | REF. NO. | PART NO. | DESCRIPTION                        |
|----------|----------|----------------------------------------------------|----------|----------|------------------------------------|
| 1        | F1699    | Trailer hitch frame                                | 12       | F735     | Trailer hitch frame with pin hitch |
| 2        | F736     | Trailer hitch angle for clevis pin                 | 13       | F7735    | Grommet                            |
| 3        | F1697    | Holland hitch for trailer hitch                    | 14       | F7671    | Oil can with pump                  |
| 4        | F800     | Hydraulic gauge (2000 lbs.)                        | 15       | F7729    | Spring for pump                    |
| 5        | F1511    | Oil filter cartridge 4 thread base (VH4D and VG4D) | 16       | F7721    | U bolt, grease can                 |
|          | F5922    | Oil filter cartridge (V465D)                       | 17       | F7722    | Grease can clamp base              |
| 6        | F732     | Trailer hitch frame with Holland hitch             | 18       | F7673    | Nylon tubing, pull-type baler, 20" |
| 7        | F649     | Freeman red baler paint, 1 gal.                    | 19       | F777     | Adapter, 2 used (51942)            |
|          | F942     | Freeman red baler paint, 1 qt.                     | 20       | F7677    | 90° brass elbow, 2 used            |
|          | F1675    | Freeman white baler paint, 1 gal.                  | 21       | FT72     | 1/4" x 3" pipe nipple, 2 used      |
|          | F1676    | Freeman white baler paint, 1 qt.                   | 22       | FT74     | 1/4" pipe tee                      |
| 8        | F770     | Freeman red baler paint, spray can                 | 23       | F7723    | Clip for grease nipple, 125 jiffy  |
|          | F1677    | Freeman white baler paint, spray can               | 24       | F7676    | 90° nylon elbow, 2 used            |
| 9        | F4193    | Wire splicer                                       |          | F7609    | Quickset lubricant, 1 qt.          |
| 10       | F1705    | Muffler, VG4D, WD70                                |          | F7626    | Quickset lubricant, 1 gal.         |
|          | F1706    | Muffler, V465D, WD76                               | 25       | F7617    | Bullgear luber kit                 |
| 11       | F8362    | Wrench for 2" pivot shaft jam nut                  |          |          |                                    |



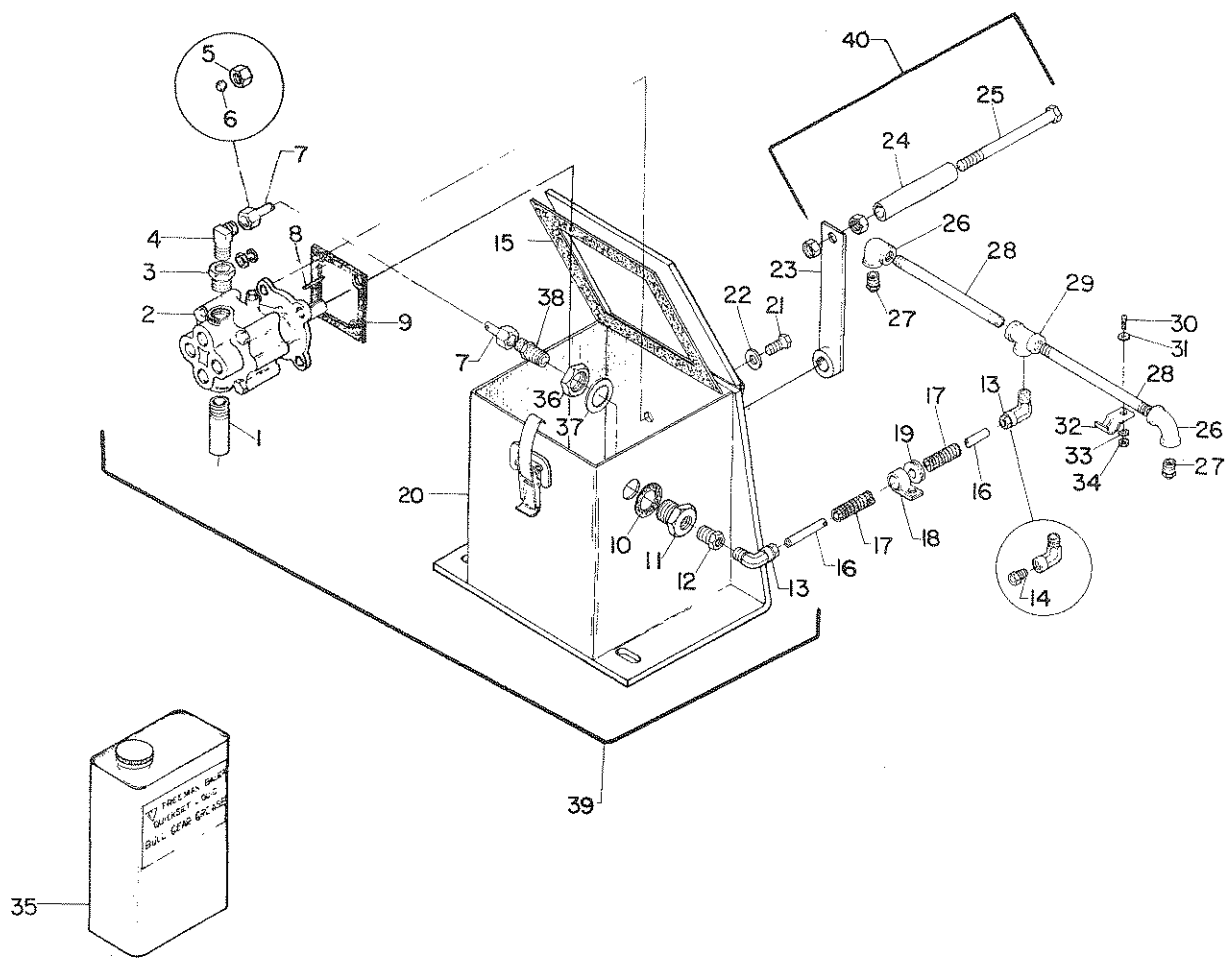
# **MULTI-LUBER CENTRALIZED LUBRICATION SYSTEM** (Uses SAE 140 Gear Oil)

| REF. NO. | PART NO. | DESCRIPTION                                | REF. NO. | PART NO. | DESCRIPTION                               |
|----------|----------|--------------------------------------------|----------|----------|-------------------------------------------|
|          | F1760    | Stop plug for Multi-luber                  | 13       | F1772    | Coupler, 90° snap on for Multi-luber      |
|          | F1761    | Gasket for Multi-luber                     | 14       | F1773    | Lubricant reservoir for Multi-luber       |
|          | F1762    | Cap for Multi-luber                        | 15       | F1770    | Tubing, 1/8" L.P. Nylon, 60 ft. used      |
|          | F1763    | Lock washer for Multi-luber                | 16       | F1782    | Street elbow, 1/4"                        |
|          | F1764    | Hex screw for Multi-luber                  | 17       | F1783    | Mounting bracket for Multi-luber, twine   |
|          | F1765    | Plug for Multi-luber                       |          |          |                                           |
|          | F1766    | Compression nut for Multi-luber            | 18       | F1784    | Mounting bracket for Multi-luber, wire    |
|          | F1767    | Plug for Multi-luber                       |          |          |                                           |
|          | F1768    | Gasket for Multi-luber                     |          |          |                                           |
|          | F1769    | Adapter for Multi-luber                    |          | F1855    | Multi-luber complete w/reservoir, 2 twine |
|          | F1774    | Injector pump for Multi-luber, Ref. 1 - 10 |          | F1856    | Multi-luber complete w/reservoir, 3 twine |
| F1771    |          | Coupler, straight snap on for Multi-luber  |          | F1857    | Multi-luber complete w/reservoir, 2 wire  |
|          |          |                                            |          | F1858    | Multi-luber complete w/reservoir, 3 wire  |



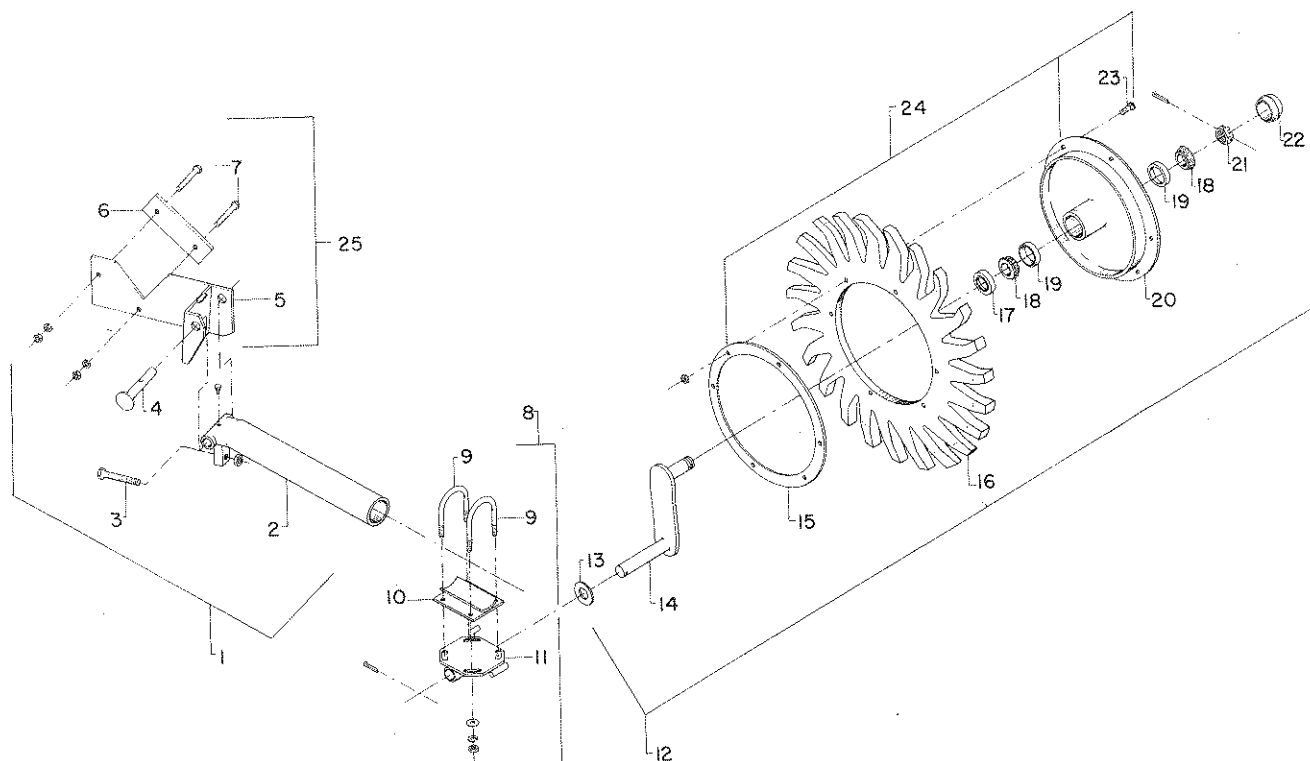
### TENSION RELEASE KIT

| REF. NO. | PART NO. | DESCRIPTION                                  |
|----------|----------|----------------------------------------------|
| 1        |          | 3/8" N.C. nut, 10 used                       |
| 2        | F159     | Link block, 3 used                           |
| 3        | FT239    | Release rod                                  |
| 4        |          | 3/8" flat washer, 3 used                     |
| 5        | FT244    | Release rod guide                            |
| 6        | FT243    | Release rod sleeve                           |
| 7        | FT240    | Tension release lever with bushing and seals |
| 8        | F7585    | Sleeve                                       |
| 9        |          | Washer                                       |
| 10       |          | 3/8" lock washer                             |
| 11       |          | 3/8" x 2 3/4" N.C. cap screw                 |
| 12       | FT241    | Operating rod                                |
| 13       | FT242    | Operating lever                              |
|          | FT247    | Tension release kit complete                 |



### BULL GEAR LUBER ASSEMBLY

| REF. NO. | PART NO.   | DESCRIPTION                                              | REF. NO. | PART NO.   | DESCRIPTION                                                  |
|----------|------------|----------------------------------------------------------|----------|------------|--------------------------------------------------------------|
| 1        | PPE3752500 | Pipe, 3/8" x 2 1/2"                                      | 21       | SCC202     | 5/16" x 1" N.C. cap screw, 4 used                            |
| 2        | FT547      | Pump, 22YB-012-2R Webster                                | 22       | FT538      | 5/16" Copper washer                                          |
| 3        | FT103      | 3/8" x 1/4" Reducer pipe bushing                         | 23       | CRA7443    | Crank arm                                                    |
| 4        | F8227      | 1/4" - 90° male elbow, 69 x 4 x 4                        | 24       | CRA7459    | Crank arm handle tube                                        |
| 5        | HYD61020   | Nut, 61 x 4                                              | 25       | SCC315     | Crank arm bolt, 3/8" x 4 1/2"                                |
| 6        | HYD60020   | Sleeve, 60 x 4                                           | 26       | FT171      | 1/8 street elbow, 3400 x 2                                   |
| 7        | FT551      | 1/4" hydraulic tube, 3" long                             | 27       | LUB323060  | 1/8" pressure valves, 2 used                                 |
| 8        | ZZ403      | Key, 1/8" x 1/8" x 1"                                    | 28       | PPE1250500 | 1/8" x 5" pipe nipple, 3 tie<br>1/8" x 3" pipe nipple, 2 tie |
| 9        | FT548      | Pump flange gasket                                       | 29       | PPE40125   | 1/8" pipe tee                                                |
| 10       | FT553      | 3/4" x 1" x 1/16" fiber washer,<br>5600-64-62 Seal Strom | 30       | SMR1032050 | 10-32 x 1/2" RH machine screw, 2 used                        |
| 11       | FT549      | Bulkhead fitting, W21204 WH                              | 31       | WCT100     | 10-32 flat washer, 2 used                                    |
| 12       | PPE250125  | 1/4" x 1/8" reducer pipe bushing                         | 32       | F7723      | Jiffy clamp, No. 125, 2 used                                 |
| 13       | F1441      | 1/4" x 1/8" - 90° elbow, 889L Imp.                       | 33       | WLK1000    | 10-32 Lock washer, 2 used                                    |
| 14       | F8312      | Sleeve                                                   | 34       | NFH10320   | 10-32 nut, 2 used                                            |
| 15       | FT559      | Tank cover gasket                                        | 35       | F7626      | Quickset gear lubricant, 1 gal.                              |
| 16       | NYL250     | 1/4" nylon tubing, 38" long                              | 36       | FT552      | 3/4" bulkhead nut, W21204                                    |
| 17       | SLV1051    | 5/16" protective cover, 30" long                         | 37       | WIS7500    | 3/4" internal star lock washer                               |
| 18       | F5264      | Hanger clamp, No. 4                                      | 38       | F8221      | 1/4" male connector, 68 x 44                                 |
| 19       | F7735      | Rubber Grommet                                           | 39       | LUB7600    | Bull gear power luber tank and<br>pump assembly              |
| 20       | LUB6789    | Tank assembly                                            | 40       | CRA7459    | Crank assembly                                               |



### HAY SAVER WHEEL ASSEMBLY F 1893

| REF.<br>NO. | PART<br>NO. | DESCRIPTION                             |
|-------------|-------------|-----------------------------------------|
| 1           | F1894       | Bracket and arm assembly                |
| 2           | F1895       | Arm w/bolt                              |
| 3           | F1896       | Adjusting bolt, 5/8 x 3 1/2             |
| 4           | F1897       | Pivot pin                               |
| 5           | F1898       | Bracket only                            |
| 6           | F1899       | Spacer                                  |
| 7           |             | 1/2" x 3" N.F. cap screw                |
| 8           | F1900       | Clamp assembly                          |
| 9           | F1901       | U-bolt                                  |
| 10          | F1902       | Saddle                                  |
| 11          | F1903       | Rotary clamp plate                      |
| 12          | F1904       | Wheel axle arm and disc assembly & ring |
| 13          |             | 1" flat washer                          |
| 14          | F1905       | Wheel axle arm                          |
| 15          | F1906       | Backup ring                             |
| 16          | F1907       | Ring, 24 finger                         |
| 17          | F1908       | Seal, 12124 CR                          |
| 18          | F1909       | Bearing cone, L44643                    |
| 19          | F1654       | Bearing cup, L44610                     |
| 20          | F1911       | Wheel disc only                         |
| 21          |             | 1" NF slotted jam nut                   |
| 22          | F1912       | Hub cap, 34214 motor wheel              |
| 23          |             | 5/16" x 1 1/2" carriage bolt            |
| 24          | F1913       | Wheel disc complete w/steel backup ring |
| 25          | F1914       | Bracket w/pin and spacer                |