

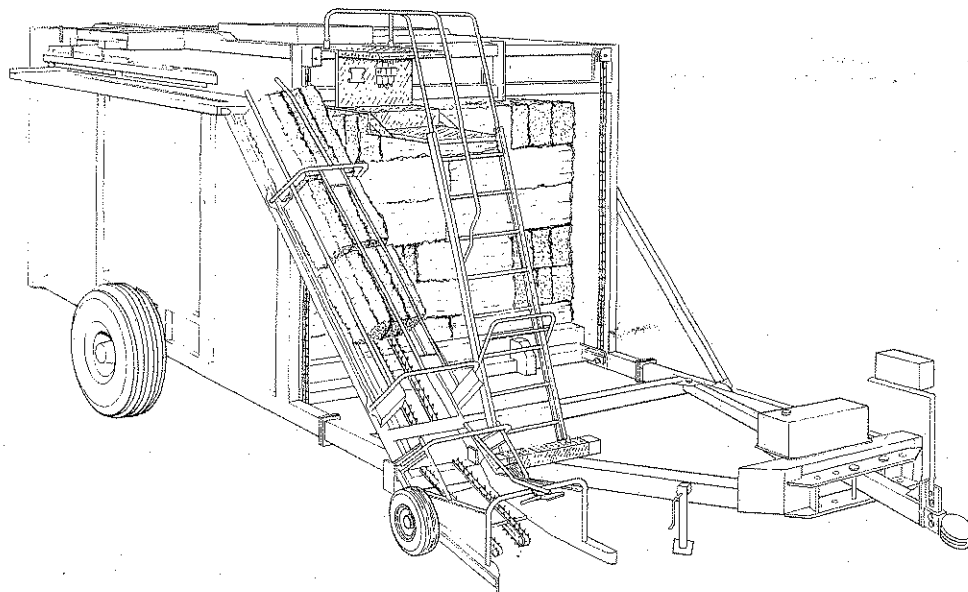
# FREEMAN

## 7-Tier Accumulator

PULL TYPE BALE WAGON

Model 7000

845 Parts List



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*manufactured and distributed by*

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

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PORTLAND, OREGON



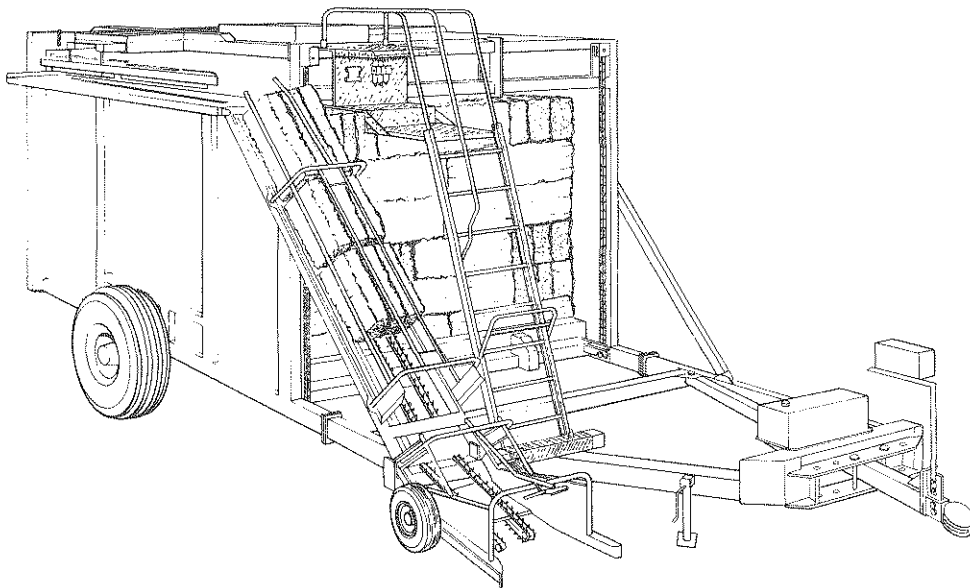
## BE CAREFUL

1. KEEP ALL SHIELDS IN PLACE.
2. STOP ENGINE OR MOTOR BEFORE LEAVING OPERATORS POSITION TO ADJUST, LUBRICATE, CLEAN, OR UNCLOG MACHINE, UNLESS OTHERWISE SPECIFICALLY RECOMMENDED IN THE "OPERATOR'S MANUAL."
3. WAIT FOR ALL MOVEMENT TO STOP BEFORE SERVICING MACHINE.
4. KEEP HANDS, FEET, AND CLOTHING AWAY FROM POWER DRIVEN PARTS.
5. KEEP OFF EQUIPMENT UNLESS SEAT OR PLATFORM FOR OPERATION AND OBSERVATION IS PROVIDED.
6. KEEP ALL OTHERS OFF.
7. USE APPROPRIATE SIGNS OR WARNING LIGHTS WHEN OPERATING ON HIGHWAYS.
8. MAKE CERTAIN EVERYONE IS CLEAR OF MACHINE BEFORE STARTING ENGINE, MOTOR OR OPERATION.

# PARTS LIST 845

for

## 7-TIER ACCUMULATOR



### 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. reserves 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 7-Tier Accumulator 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:

7-Tier Accumulator Serial No. \_\_\_\_\_

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

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

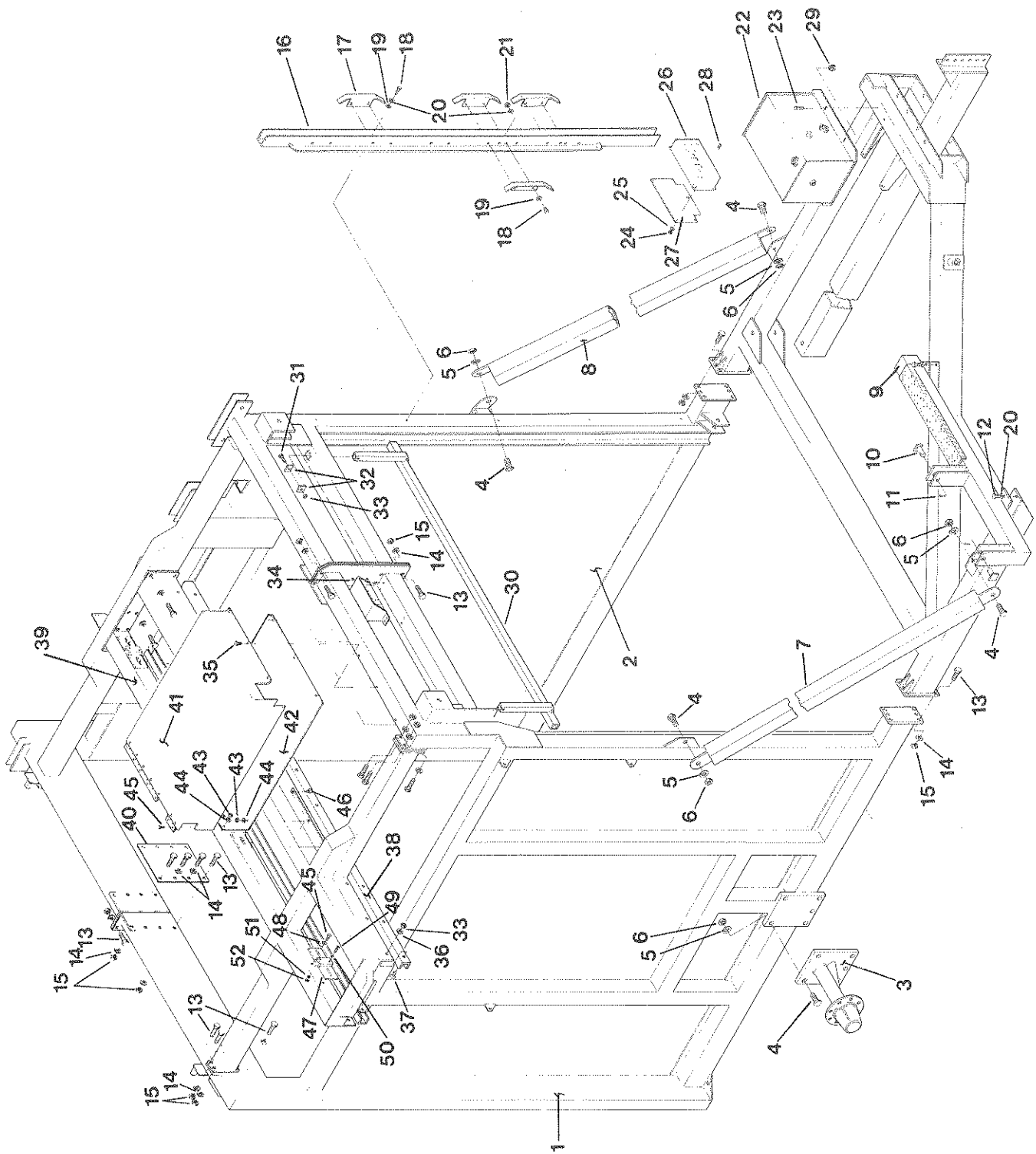
Permission must be secured before any parts are returned for credit. When parts are returned, the freight must be prepaid or arrangements made so that they can be brought in by our trucks.

### **"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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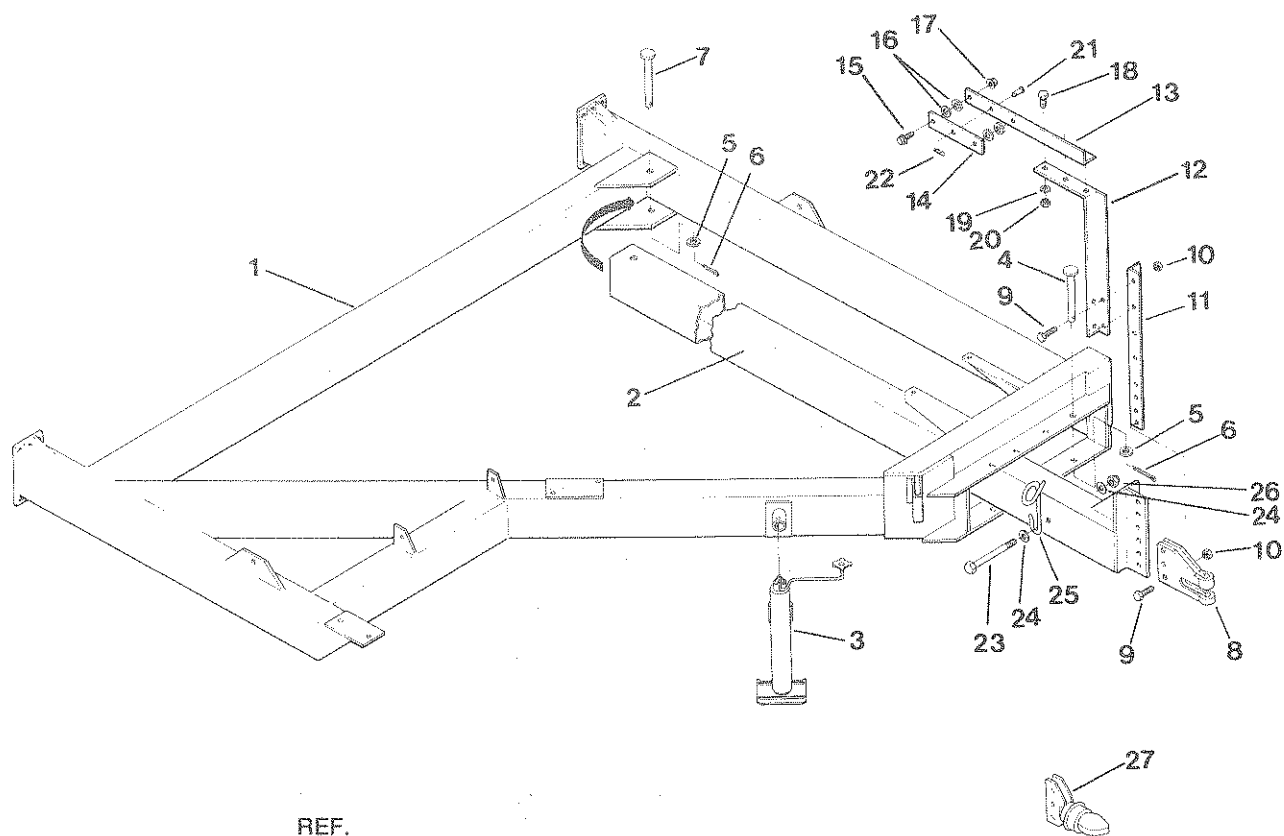
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## MAIN FRAME

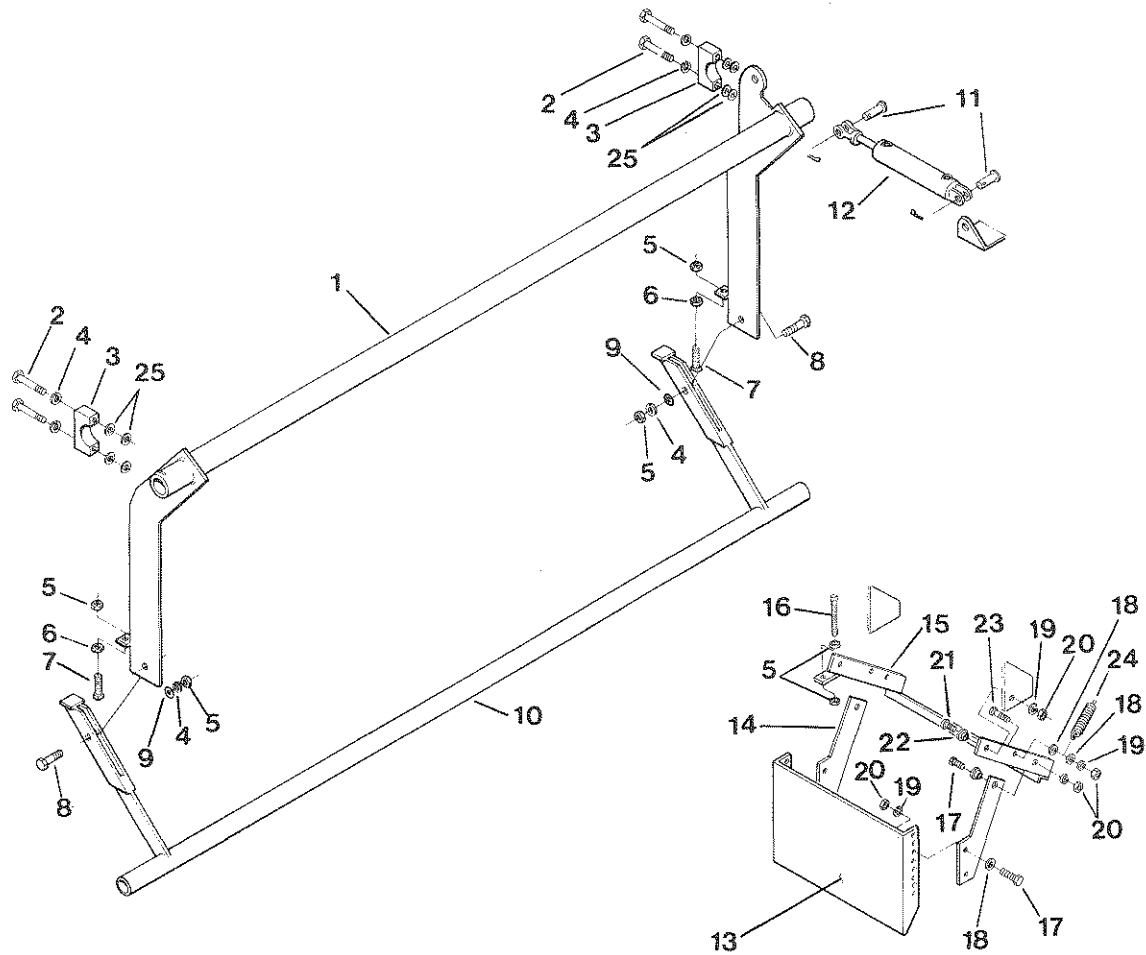
| REF.<br>NO. | PART NO.             | DESCRIPTION                                                              |
|-------------|----------------------|--------------------------------------------------------------------------|
| 1           | FRM0016862           | Side Frame RH                                                            |
| 2           | FRM0016861           | Side Frame LH                                                            |
| 3           | SPN0073052<br>21-901 | Spindle Mount Plate & Hub<br>Complete Hub Only With Bearing<br>And Cones |
| 4           | SCC0000808           | 3/4" x 2 1/2" NC Cap Screw<br>(14 used)                                  |
| 5           | WLK0007500           | 3/4" Lock Washer (14 used)                                               |
| 6           | NCH0007500           | 3/4" NC Hex Nut (14 used)                                                |
| 7           | BRC7311600           | Brace RH                                                                 |
| 8           | BRC7311601           | Brace LH                                                                 |
| 9           | SUP0073199           | Lower Elevator Support                                                   |
| 10          | PIN7321905           | Elevator To Chute Pin (2 used)                                           |
| 11          | COT0000504           | 1/8" x 1 1/2" Cottor (2 Used)                                            |
| 12          | SCC0000203           | 5/16" x 1 1/4" NC Cap Screw (4 used)                                     |
| 13          | SCC0000506           | 1/2" x 2" NC Cap Screw                                                   |
| 14          | WLK0005000           | 1/2" Lock Washer                                                         |
| 15          | NCH0005000           | 1/2" NC Hex Nut                                                          |
| 16          | MNT0016744           | Tie Switch Mount Assy                                                    |
| 17          | CAM0016742           | Tie Cam (4 used)                                                         |
| 18          | SCC0000202           | 5/16" x 1" NC Cap Screw (13 used)                                        |
| 19          | WCT0003125           | 5/16" Flat Washer                                                        |
| 20          | WLK0003125           | 5/16" Lock Washer (17 used)                                              |
| 21          | NCH0003125           | 5/16" NC Hex Nut (8 used)                                                |
| 22          | TNK0167175           | Oil Tank                                                                 |
| 23          | SCC0000106           | 1/4" x 2" NC Cap Screw (4 used)                                          |
| 24          | NCH0002500           | 1/4" NC Hex Nut (6 used)                                                 |
| 25          | WLK0002500           | 1/4" Lock Washer (6 used)                                                |
| 26          | BOX0016559           | Control Box                                                              |
| 27          | CVR0016823           | Cover, Control Box                                                       |
| 28          | SMR0000100           | 1/4" x 1/2" Round Head Screw (4 used)                                    |
| 29          | PLU0250500           | 1/2" x 1/4" Pipe Plug                                                    |
| 30          | RET0073165           | Front Bale Retainer Bar                                                  |
| 31          | SCC0000310           | 3/8" x 3" NC Cap Screw (2 used)                                          |
| 32          | STO0073168           | Front Bale Retainer Stops (4 used)                                       |
| 33          | NCH0003750           | 3/8" NC Hex Nut (2 used)                                                 |
| 34          | SMS0000139           | 1 x 1/2" Self Tapping Screw                                              |
| 35          | SMS0000217           | 1/4" x 3/8" Hex Self Tapping                                             |
| 36          | WLK0003750           | 3/8" Lock Washer (20 used)                                               |
| 37          | SCO0000302           | 3/8" x 1" NC FH Socket Screw (20 used)                                   |
| 38          | TRK0073201           | Bed Roller Tracks (2 used)                                               |
| 39          | FRM0016910           | Pusher Body Frame                                                        |
| 40          | PLT0073376           | Reinforcement Plate                                                      |
| 41          | CVR0016908           | Valve Platform Cover                                                     |
| 42          | PLT0073115           | Valve Mounting Plate                                                     |
| 43          | HCH0000250           | 1/4" x 1/2" NC Hex Nut (13 used)                                         |
| 44          | WLK0000250           | 1/4" Lockwasher (13 used)                                                |
| 45          | SCC0000100           | 1/4" x 1/2" NC Cap Screw (13 used)                                       |
| 46          | SCC0000101           | 1/4" x 3/4" NC Cap Screw (6 used)                                        |
| 47          | MNT0073294           | Pusher Switch Mount (3 used)                                             |
| 48          | WCT0002500           | 1/4" Flat Washer                                                         |
| 49          | SMR1021500           | 10-24 x 1 1/2" Cap Screw (6 used)                                        |
| 50          | WIS0001000           | 1 Inter Star Washer (6 used)                                             |
| 51          | WLK0001000           | 1 Lock Washer (6 used)                                                   |
| 52          | NCH0001024           | 10-24 NCH Slotted Screw                                                  |

# TONGUE

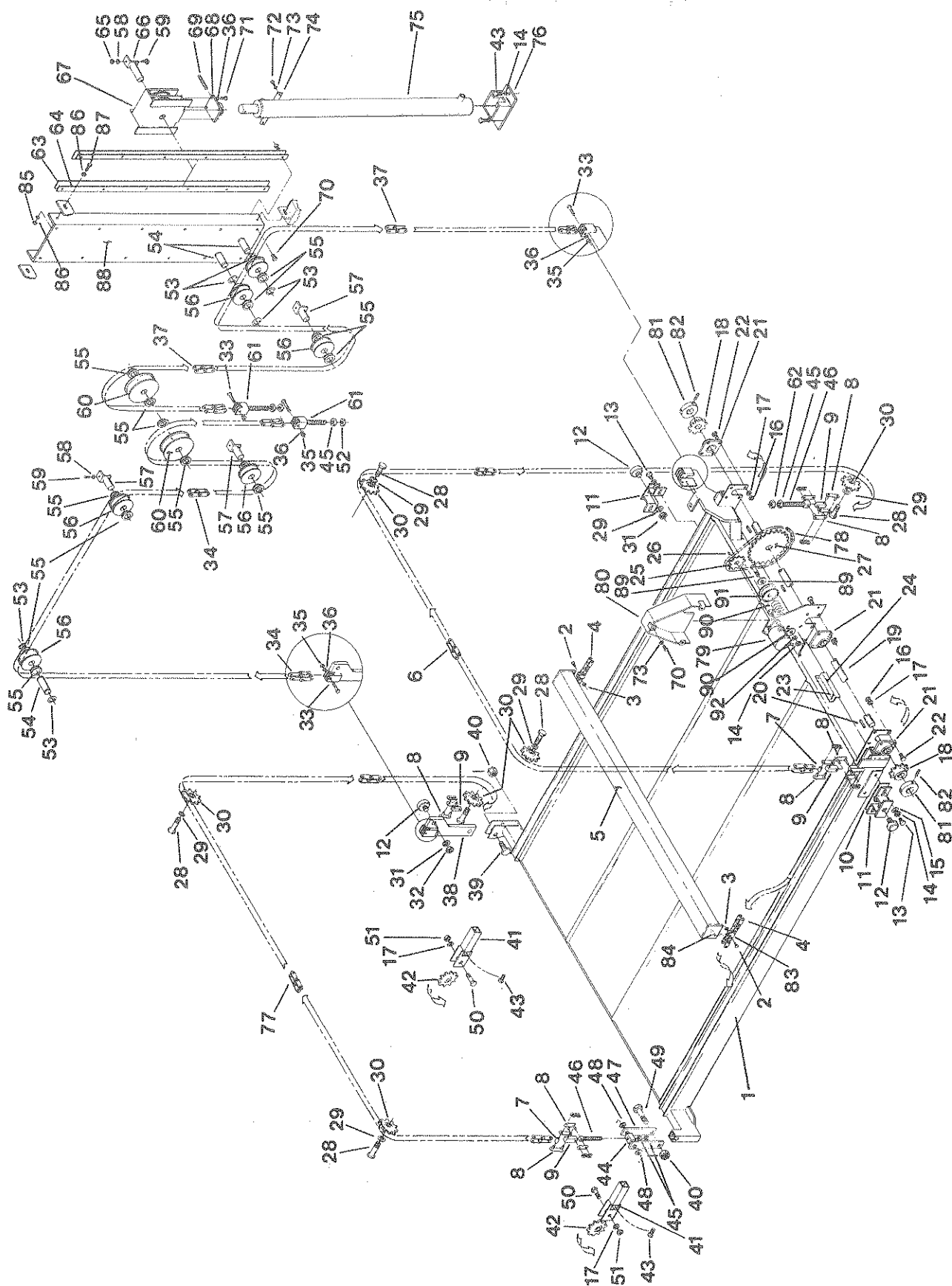


| REF. NO. | PART NO.   | DESCRIPTION                                |
|----------|------------|--------------------------------------------|
| 1        | HTH0016914 | Hitch Assembly                             |
| 2        | DRB0016915 | Drawbar                                    |
| 3        | JCK0000158 | Jack                                       |
| 4        | PIN0073342 | Hitch Pin 1" x 7 3/4"                      |
| 5        | WCT0100000 | 1" Flat Washer                             |
| 6        | COT0000703 | Hair Pin Cotter Key 5/32" x 1 1/2"         |
| 7        | PIN0073343 | Hitch Pin 1" x 8 1/2"                      |
| 8        | F 0000183  | Front End Hitch                            |
| 9        | SCC0070004 | 5/8" x 2 1/2" NC Cap Screw (5 used)        |
| 10       | NCE0002625 | 5/8" NC Lock Nut (5 used)                  |
| 11       | STN0007650 | Leg Standard                               |
| 12       | STN0004941 | Control Stand, Standard                    |
| 13       | STN0007652 | Mounting Base Angle                        |
| 14       | F 0001018  | Mounting Base Plate                        |
| 15       | SMS000177  | 5/16" x 1" NC Whiz Lock Cap Screw (2 used) |
| 16       | WCT0003125 | 5/16" Flat Washer (4 used)                 |
| 17       | NMS0000117 | 5/16" NC Whiz Lock Nut (2 used)            |
| 18       | SCC0030002 | 3/8" x 1" NC Cap Screw (3 used)            |
| 19       | WLK0003750 | 3/8" Lock Washer (3 used)                  |
| 20       | NCH0003750 | 3/8" NC Hex Nut (3 used)                   |
| 21       | F 0001020  | 3/8" x 1" Clevis Pin                       |
| 22       | F 0001019  | Hair Pin Cotter Key                        |
| 23       | SCC0000517 | 1/2" x 5 1/2" NC Cap Screw                 |
| 24       | WCT0005000 | 1/2" Flat Washer (2 used)                  |
| 25       | HGR0016785 | Hydraulic Hose Hanger                      |
| 26       | NCE0000500 | 1/2" NC ESNA Nut                           |
| 27       | HTH0007562 | Bulldog Ball Hitch                         |

# BALE RETAINER BAR and INDEX PADDLE

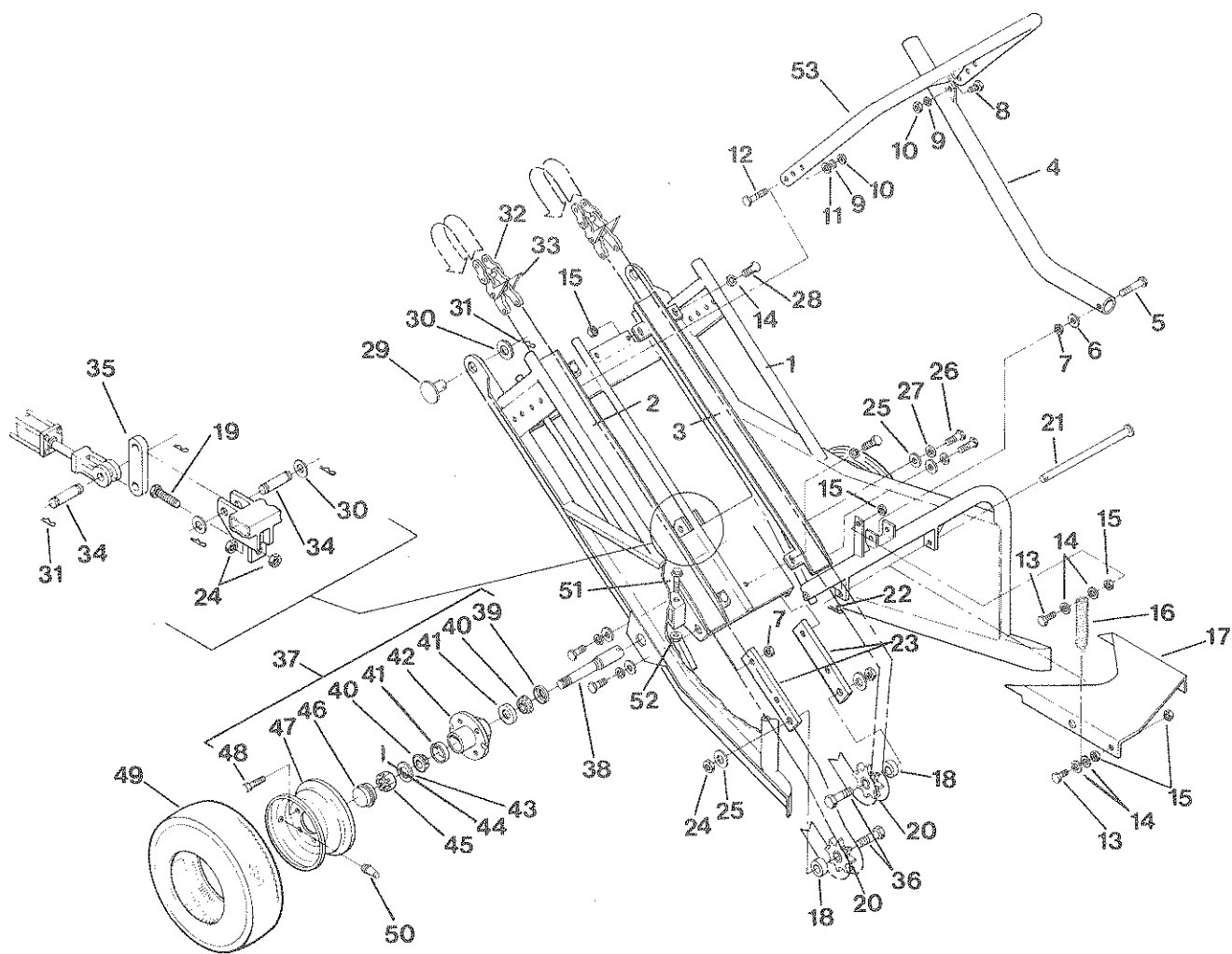


| REF. NO. | PART NO.    | DESCRIPTION                          |
|----------|-------------|--------------------------------------|
| 1        | RTN0016912  | Upper Bale Retainer Assembly         |
| 2        | SCC0000510  | 1/2" x 3" NC Cap Screw (4 used)      |
| 3        | MNT0073112  | Pipe Bushing Mount                   |
| 4        | WLK0005000  | 1/2" Lock Washer                     |
| 5        | NCJ0005000  | 1/2" NC Jam Nut                      |
| 6        | NCH0005000  | 1/2" NC Hex Nut                      |
| 7        | SQS5004500  | 1/2" x 4 1/2" Square Head Set Screw  |
| 8        | SCC0000505  | 1/2" x 1 3/4" NC Cap Screw ( 2 used) |
| 9        | WCT0005000  | 1/2" Flat Washer (2 used)            |
| 10       | RTN0016913  | Lower Bale Retainer Assembly         |
| 11       | CLV0120018  | Cylinder Pin 1/2" x 1 1/2"           |
| 12       | F 0006724   | Dukes Cylinder WFC1506               |
| 13       | PDL0016798  | Index Paddle                         |
| 14       | ARM0016800  | Secondary Index Paddle Arm (2 used)  |
| 15       | ARM0016799  | Primary Index Paddle Arm Assembly    |
| 16       | SQS5003000  | 1/2" x 3" Square Head Set Screw      |
| 17       | SCC0000302  | 3" x 1" NC Cap Screw (2 used)        |
| 18       | WCT0003750  | 3/8" Flat Washer (6 used)            |
| 19       | WLK0003750  | 3/8" Lock Washer (9 used)            |
| 20       | NCH0003750  | 3/8" NC Hex Nut (10 used)            |
| 21       | SMR0000302  | 3/8" x 1 1/2" NC Round Head (2 used) |
| 22       | F 0 0000440 | Ferrule (4 used)                     |
| 23       | SCC0000304  | 3/8" x 1 1/2" NC Cap Screw (2 used)  |
| 24       | F 0 0000747 | Spring                               |
| 25       | WAS0500875  | 1/2" Shims (8 used)                  |
|          | 01-564      | • Seal Kit for WFC15006 Dukes Cyl.   |



# BED and PUSH OFF BAR

| REF.<br>NO. | PART NO.   | DESCRIPTION                                     | REF.<br>NO. | PART NO.   | DESCRIPTION                                       |
|-------------|------------|-------------------------------------------------|-------------|------------|---------------------------------------------------|
| 1           | BED0073275 | Bed                                             | 45          | NFH0007500 | 3/4" NF Hex Nut                                   |
| 2           | SCC0080204 | 5/16" x 1 1/2" NC Grade Cap Screw               | 46          | 07-123     | Chain Anchor Bolt 8                               |
| 3           | NCE0000313 | 5/16" NC Esna Nut                               | 47          | PLT0073227 | Rear Chain To Bed Plate<br>(2 used)               |
| 4           | CHN0080263 | 80H, Push Off Bar Chain,<br>263 Pitch (2 used)  | 48          | WCT0007500 | 3/4" Flat Washer                                  |
| 5           | BAR0073345 | Push Off Bar Assembly                           | 49          | PIN0016958 | Pin, Bed To Chain Bracket Mount                   |
| 6           | CHN0080334 | 80H, Forward Cross Chain,<br>334 Pitch          | 50          | SCC0000709 | 5/8" x 2 3/4" NC Cap Screw (2 used)               |
| 7           | CHN0070024 | Roller Master Link                              | 51          | NCE0000625 | 5/8" NC Esna Nut                                  |
| 8           | CNK0002008 | Heavy Connecting Link (M-12080)                 | 52          | NFJ0007500 | 3/4" NF Jam Nut                                   |
| 9           | CHN0073024 | Chain Pivot Mount (4 used)                      | 53          | 06-119     | Snap Ring (6 used)                                |
| 10          | SHM0073233 | Shim (4 used)                                   | 54          | 14-108     | Pin, Chain Idler Pulley (3 used)                  |
| 11          | MNT0073043 | Bed Roller Mount (2 used)                       | 55          | 02-115     | Roller Bearing, 306SZZMRC<br>(16 used)            |
| 12          | F 0001636  | Roller                                          | 56          | 14-107     | Idler Roller (6 used)                             |
| 13          | SCC0000502 | 1/2" x 1" NC Cap Screw (4 used)                 | 57          | PIN7321903 | Roller Pin (3 used)                               |
| 14          | NCH0005000 | 1/2" NC HEX Nut                                 | 58          | WLK0003125 | 5/16" Lock Washer                                 |
| 15          | WCT0005000 | 1/2" Flat Washer                                | 59          | SCC0000202 | 5/16" x 1" NC Cap Screw                           |
| 16          | NCE0000500 | 1/2" NC Esna Nut                                | 60          | ROL0010182 | Roller, Cylinder Head                             |
| 17          | WLK0005000 | 1/2" Lock Washer                                | 61          | 14-104     | Anchor Bolt, Bed Lift Chain,<br>(2 used)          |
| 18          | 05-260     | Sprocket, 60B15, 1 3/8" Bore<br>(2 used)        | 62          | CHN0002006 | M-1 Attachment Link (2 used)                      |
| 19          | SHF0073285 | Push Off Drive Shaft                            | 63          | BAR0073287 | Cylinder Head Guide Bar                           |
| 20          | ZZ 0000412 | 3/8" x 2" Key Stock                             | 64          | BAR0073288 | Cylinder Head Guide Bar                           |
| 21          | 02-154     | 1 3/8" Fafnir Bearing RCJC<br>(3 used)          | 65          | NCE0000313 | 5/16" NC Esna Nut                                 |
| 22          | SCC0000504 | 1/2" x 1 1/2" NC Cap Screw                      | 66          | PIN7321901 | Cylinder Head Pin                                 |
| 23          |            | 10-24 x 1/2" Self Tapping Screw<br>(2 used)     | 67          | MNT0073191 | Cylinder Head Roller Mount                        |
| 24          | CVR0073183 | Bed Terminal Block Cover                        | 68          | MNT0016865 | Cylinder Shaft Mount                              |
| 25          | SPK0060154 | Sprocket, 60B15, 1 1/4" Bore<br>5/16" Keyway    | 69          | STS3751500 | 3/8" x 1 1/2" Screw Socket Set                    |
| 26          | ZZ 0000428 | 5/16" x 5/16" x 1" Key                          | 70          | SCC0000102 | 1/4" x 1" NC Cap Screw                            |
| 27          | SPK0060048 | Sprocket, 60B48, 1 3/8" Bore<br>3/8" Keyway     | 71          | STS5000500 | 1/2" x 1/2" Allen Screw                           |
| 28          | SCC0000812 | 3/4" x 3 1/2" NC Cap Screw                      | 72          | SCC0000202 | 5/16" x 1" NC Cap Screw (2 used)                  |
| 29          | WLK0007500 | 3/4" Lock Washer                                | 73          | WLK0003125 | 5/16" Lock Washer                                 |
| 30          | SPK0073349 | Idler Sprocket, With Bearing                    | 74          | STR0073341 | Cylinder Support Strap                            |
| 31          | NFE0007500 | 3/4" NF Esna Nut                                | 75          | CYL0073188 | Hypower Cylinder, LCA4x54SP                       |
| 32          | NCH0003750 | 3/8" NC Hex Nut                                 | 76          | MNT0016868 | Cylinder Base Mount                               |
| 33          | 14-110     | Bolt Chain Connector                            | 77          | CHN0080332 | 80H, Rear Cross Chain, 332 Pitch                  |
| 34          | CHN0080313 | 80H, Rear Lift Chain, 313 Pitch                 | 78          | CHN0006062 | 60 STD, Push Off Motor Chain,<br>62 Pitch         |
| 35          | NCE0000375 | 3/8" NC Esna Nut                                | 79          | MTR1041026 | Hydraulic Motor, Charlynn<br>104-1026 2000 Series |
| 36          | WLK0003750 | 3/8" Lock Washer                                | 80          | SHD0073186 | Pusher Sprocket & Motor Shield                    |
| 37          | CHN0080245 | 80H, Forward Lift Chain, 245 Pitch              | 81          | ZZ 0002020 | 3" Set Collar                                     |
| 38          | BKT0073296 | Rear Bed Chain Hanger                           | 82          | STS2500375 | 1/2" x 3/8" Screw Socket Set                      |
| 39          | PIN0016952 | Pin, Rear Bed To Chain                          | 83          | CNK0002008 | Heavy Connecting Link (M-12080)                   |
| 40          | NFC0010000 | 1" NC Castellated Nut (2 used)                  | 84          | BSH0010133 | Bushing                                           |
| 41          | CHN0073055 | Bed Chain Tightener Assembly<br>(2 used)        | 85          | NCH0003750 | 3/8" NC Hex Nut (4 used)                          |
| 42          | SPK0073349 | 8 Tooth Idler Sprocket With<br>Bearing (8 used) | 86          | WCT0003750 | 3/8" Flat Washer (4 used)                         |
| 43          | SCC0000502 | 1/2" x 1" NC Cap Screw                          | 87          | SCC0000302 | 3/8" x 1" NC Cap Screw (4 used)                   |
| 44          | CHN0073228 | Rear Chain To Swivel Mount                      | 88          | GUD0073016 | Cylinder Head Guide                               |
|             |            |                                                 | 89          | SCC0000509 | 1/2" x 2 3/4" NC Cap Screw                        |
|             |            |                                                 | 90          | WCT0005000 | 1/2" Flat Washer (6 used)                         |
|             |            |                                                 | 91          | F 0000883  | Idler Pulley                                      |
|             |            |                                                 | 92          | WLK0005000 | 1/2" Lock Washer                                  |
|             |            |                                                 |             | SEL0000453 | Seal Kit KL4, 1.75 Rod                            |



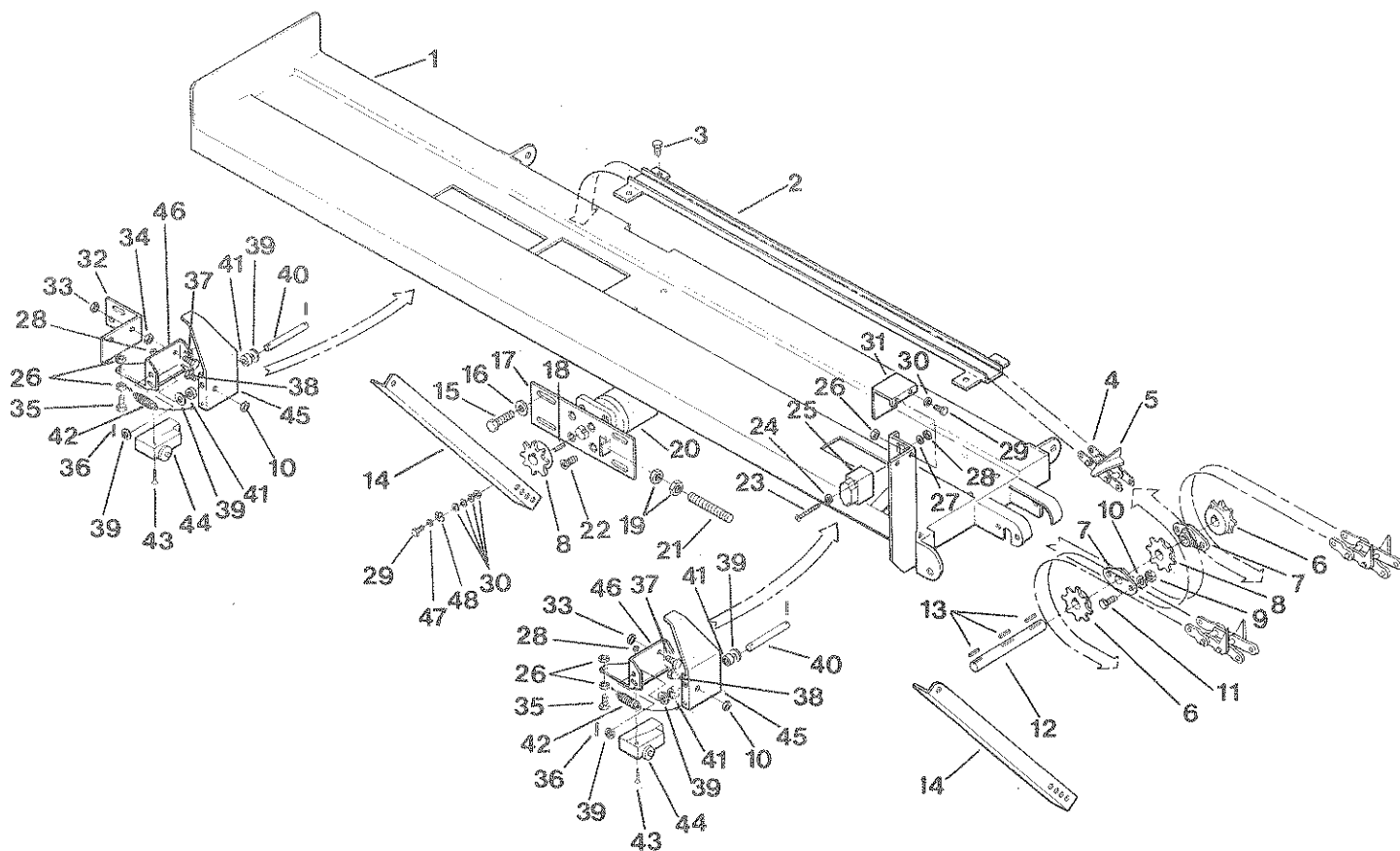
## PICK UP CHUTE

| REF.<br>NO. | PART NO.   | DESCRIPTION                                         |
|-------------|------------|-----------------------------------------------------|
| 1           | PUP0073268 | Pickup Chute Frame                                  |
| 2           | TRK0016728 | Pickup Chute Track (LH)                             |
| 3           | TRK0016765 | Pickup Chute Track (RH)                             |
| 4           | PUP0073259 | Bale Chute Hold Down Bar                            |
| 5           | SCC0000510 | 1/2" x 3" NC Cap Screw                              |
| 6           | ZZ 0000210 | 1/2" Washer, 14 GA Shim                             |
| 7           | NCE0000500 | 1/2" NC Esna Nut (5 used)                           |
| 8           | SCC0000303 | 3/8" x 1/4" NC Cap Screw                            |
| 9           | WLK0003750 | 3/8" Lock Washer (2 used)                           |
| 10          | NCE0003750 | 3/8" NC Esna Nut (2 used)                           |
| 11          | WCT0003750 | 3/8" Flat Washer (? used)                           |
| 12          | SCC0000306 | 3/8" x 2" NC Cap Screw                              |
| 13          | SCC0000204 | 5/16" x 1 1/2" NC Cap Screw<br>(2 used)             |
| 14          | WCT0003125 | 5/16" Flat Washer (10 used)                         |
| 15          | NCE0003125 | 5/16" NC Esna Nut (10 used)                         |
| 16          | F 0000747  | Spring                                              |
| 17          | 10-144     | Bale Check                                          |
| 18          | F 0000172  | 3/4" Set Collar (2 used)                            |
| 19          | SCC0000814 | 3/4" x 4" NCHT Cap Screw                            |
| 20          | SPK0008039 | 7 Tooth Idler Sprocket With<br>Bearing (2 used)     |
| 21          | 10-145     | Pickup Bale Check Pin                               |
| 22          | F 0001019  | Hairpin Cotter Key                                  |
| 23          | MNT0073261 | Chute Sprocket Slide Mount                          |
| 24          | NCE0000750 | 3/4" NC Esna Nut (4 used)                           |
| 25          | ZZ 0000220 | 3/4" Washer, 10 GA Shim                             |
| 26          | SCC0000504 | 1/2" x 1 1/2" NC Cap Screw (4 used)                 |
| 27          | WCT0000500 | 3/4" Flat Washer (4 used)                           |
| 28          | SCC0000201 | 5/16" x 3/4" NC Cap Screw (6 used)                  |
| 29          | PIN7321905 | Elevator to Chute Pin (2 used)                      |
| 30          | WCT0100000 | 1" Flat Washer (4 used)                             |
| 31          | COT0000803 | 3/16" x 1 1/2" Cotter Key (6 used)                  |
| 32          | CHN73181-1 | Chain, Pickup Chute (2 used)                        |
| 33          | CA550-M-10 | Attachment                                          |
| 34          | PIN0000105 | 1" x 3" Clevis Pin (2 used)                         |
| 35          | LNK0073249 | Chute to Cylinder Link                              |
| 36          | SCC0000810 | 3/4" x 3" NC Cap Screw (2 used)                     |
| 37          | BRG1040348 | Wheel Hub and Bearing Assembly                      |
| 38          | SPN0010412 | Wheel Spindle R104BT12                              |
| 39          | SEL0034823 | Bearing Seal                                        |
| 40          | BRG0044643 | Bearing Timken VL44643                              |
| 41          | CUP0044610 | Bearing Cup                                         |
| 42          | HUB0000348 | Hub Wheel                                           |
| 43          | ZZ 0000223 | 1" x 1 1/2" x 14 GA Washer                          |
| 44          | COT0000502 | 1/8" x 1" Pin Cotter                                |
| 45          | NFC0001000 | 1" NC Castle Nut                                    |
| 46          | CAP0046749 | Hub Cap                                             |
| 47          | WHL0412530 | Wheel Only AA 412530                                |
| 48          | SMS0005393 | Wheel Bolt (8 used)                                 |
| 49          | WHL0401530 | Wheel and Tire Assembly AB 401530,<br>Tire 4.80 x 8 |
| 50          | 19-109     | Valve Stem                                          |
| 51          | SMS0000306 | 1/4" x 1 3/4" NC Whiz Lock                          |
| 52          | NMS0000251 | 1/4" NC Whiz Lock Nut                               |
| 53          | 10-149     | Rear Pipe Assembly                                  |



## ELEVATOR

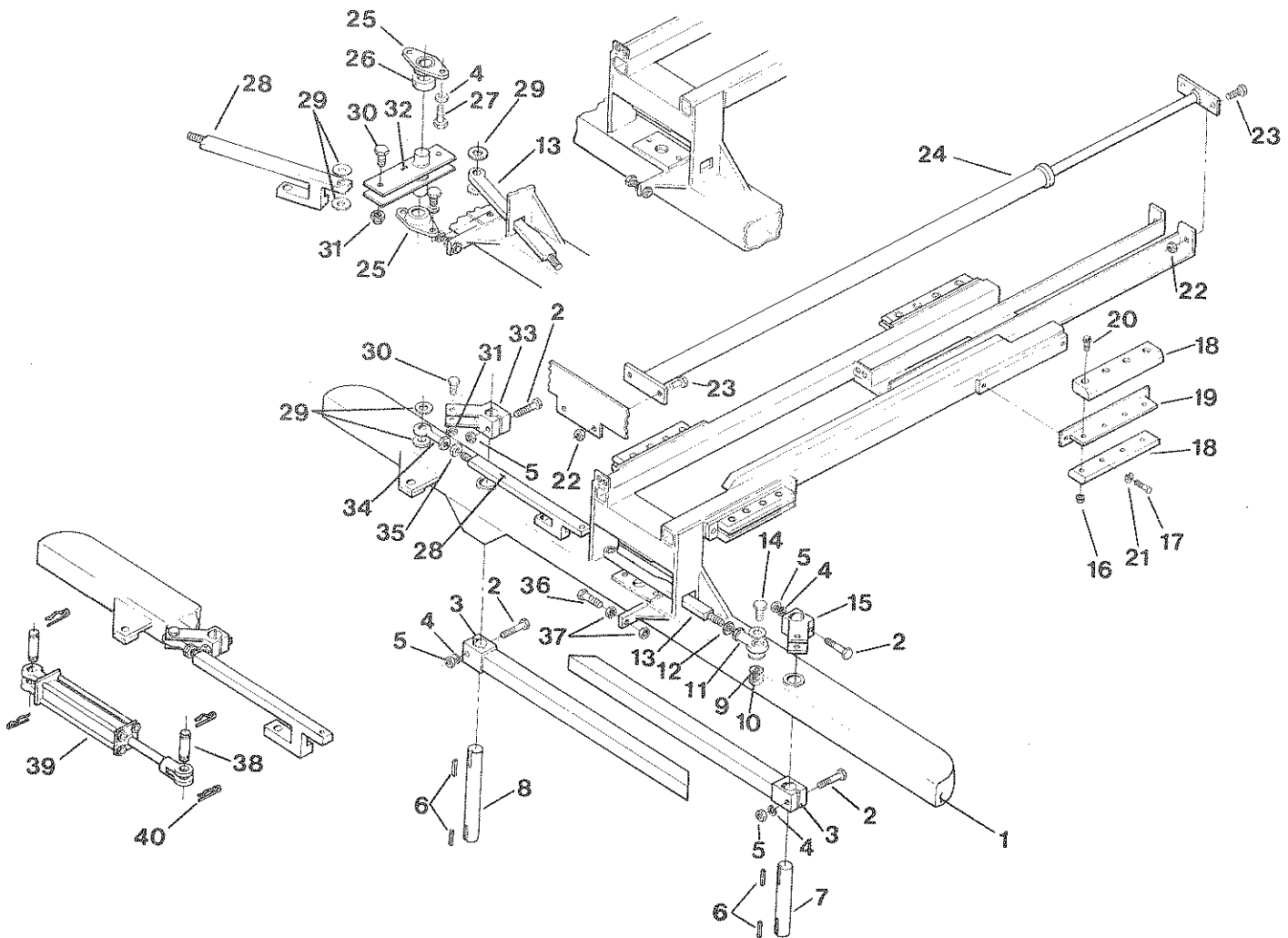
| REF.<br>NO. | PART NO.   | DESCRIPTION                                     |
|-------------|------------|-------------------------------------------------|
| 1           | ELV0016680 | Elevator Frame Only                             |
| 2           | BAR0073142 | Elevator Bale Hold Down Bar                     |
| 3           | SPG0073238 | Elevator Hold Bale Down Bar Spring<br>(2 used)  |
| 4           | WCT0007500 | 3/4" Flat Washer (8 used)                       |
| 5           | NCE0000750 | 3/4" NC Esna Nut (6 used)                       |
| 6           | SCC0000312 | 3/8" x 3 1/2" NC Cap Screw                      |
| 7           | NCE0000375 | 3/8" NC Esna Nut (16 used)                      |
| 8           | SCC0000302 | 3/8" x 1" NC Cap Screw (12 used)                |
| 9           | WLK0003750 | 3/8" Lock Washer (10 used)                      |
| 10          | MNT0073145 | Elevator Upper Mount (2 used)                   |
| 11          | ARM0073299 | Elevator Hold Down Arm                          |
| 12          | SPG0017227 | 1/32" Wire, 1 1/2"OD, 14"Long<br>Spring         |
| 13          | SCC0000214 | 5/16" x 4" NC Cap Screw (4 used)                |
| 14          | SCC0000204 | 5/16" x 1 1/2" NC Cap Screw<br>(5 used)         |
| 15          | NCE0000313 | 5/16" NC Esna Nut (10 used)                     |
| 16          | WCT0003125 | 5/16" Flat Washer (21 used)                     |
| 17          | WLK0003125 | 5/16" Lock Washer (8 used)                      |
| 18          | SCC0000201 | 5/16" x 3/4" NC Cap Screw<br>(14 used)          |
| 19          | TRK0073154 | Elevator Track                                  |
| 20          | TRK0016677 | Upper Elevator Chain Tracks<br>(2 used)         |
| 21          | CHN73181-1 | Chain, Pickup Chute 550, 61 Pitch               |
| 22          |            | Attachment Tooth, CA550-M-10                    |
| 23          | CHN73181-0 | Chain, Upper Elevator 550, 39 Pitch             |
| 24          | CHN73180-1 | Chain Attachments, C2060, 105<br>pitch, 17 K-1  |
| 25          | CHN0073150 | Chain Tooth (17 used)                           |
| 26          | MNT0073135 | Pipe Mount Bushing (4 used)                     |
| 27          | SPK0008039 | 7 Tooth Idler Sprocket With<br>Bearing (2 used) |
| 28          | F 0000172  | 3/4" Set Collar (8 used)                        |
| 29          | SCC0000810 | 3/4" x 3" NCHT Cap Screw (2 used)               |
| 30          | 02-104     | Bearing, 1" Flange, Fafnir                      |
| 31          | SPK0003092 | 8 Tooth Sprocket 550 (2 used)                   |
| 32          | SPK0060172 | Sprocket, 1" Bore, 1 1/4" Keyway                |
| 33          | SHF0073076 | Elevator Drive Shaft                            |
| 34          | ZZ 0000448 | 1/4" x 2" Key (2 used)                          |
| 35          | NCH0005000 | 1/2" Hex Nut                                    |
| 36          | F 0000073  | 1/2" x 4" Set Screw, Square Head                |
| 37          | MNT0073148 | Motor Mount Bracket                             |
| 38          | MTR00RSAKI | Hydraulic Motor, White                          |
| 39          | ZZ 0000405 | 1/4" x 1 1/2" Woodruff Key For Motor            |
| 40          | SCO0000301 | 3/8" x 3/4" FH Socket Cap Screw<br>(4 used)     |
| 41          | F 0001002  | Conical Washer                                  |
| 42          | WCT0000250 | 1/4" Flat Washer (4 used)                       |
| 43          | WLK0000250 | 1/4" Lock Washer                                |
| 44          | SCC0000101 | 1/4" x 3/4" NC Cap Screw                        |



## BALE TABLE

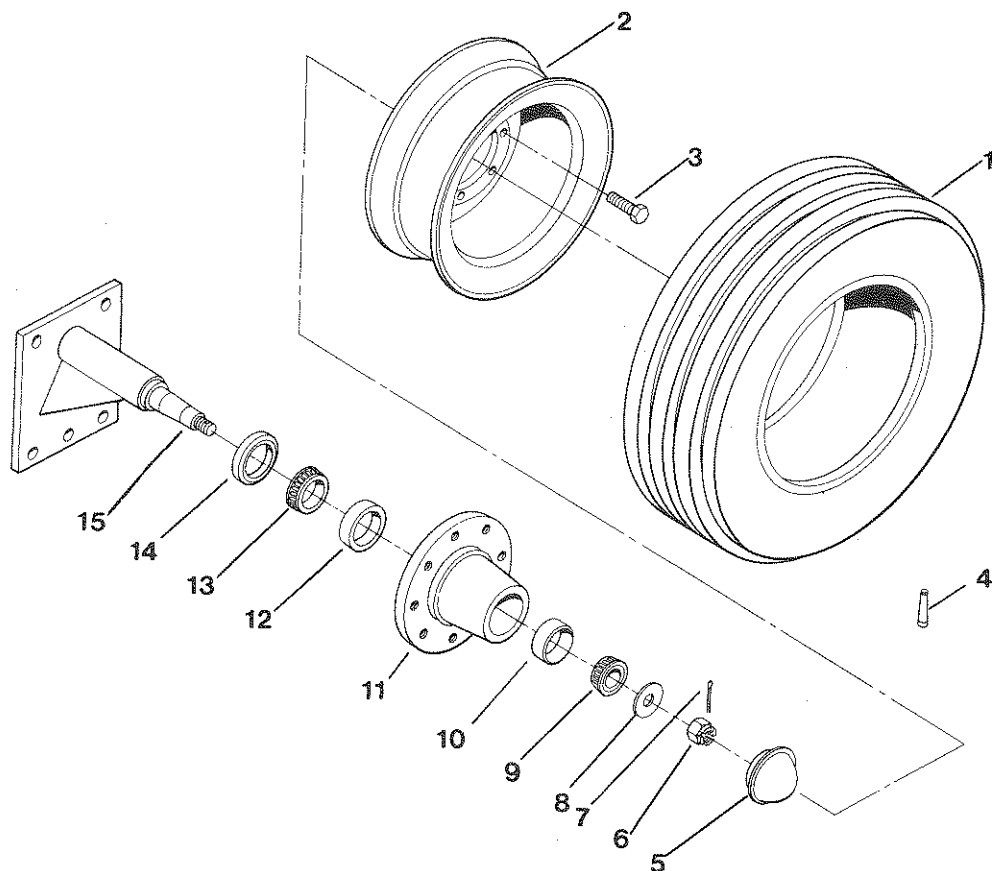
| REF.<br>NO. | PART NO.   | DESCRIPTION                                   |
|-------------|------------|-----------------------------------------------|
| 1           | FRM0016916 | Upper Bale Table Frame                        |
| 2           | TRK0016931 | Elevator Chain Track                          |
| 3           | SCC0000201 | 5/16" × 3/4" NC Cap Screw (4 used)            |
| 4           | CHN0073008 | Upper Table Chain Tooth (14 Tooth used)       |
| 5           | CHN7318000 | Table Chain, C2060 86 Pitch 21 K-1 Attachment |
| 6           | SPK0003092 | Sprocket, 8 Tooth, 550 (2 used)               |
| 7           | 02-104     | Bearing " Flange-Fafnir (2 used)              |
| 8           | SPK0060172 | Sprocket, 1" Bore 1 1/4" Keyway (2 used)      |
| 9           | NCE0000313 | 5/16" NC Esna Nut (4 used)                    |
| 10          | WLK0003125 | 5/16" Lock Washer                             |
| 11          | SCC0000204 | 5/16" × 1 1/2" NC Cap Screw (4 used)          |
| 12          | SHF0073076 | Elevator Drive Shaft                          |
| 13          | ZZ 0000448 | 1/4" × 2" Key (3 used)                        |
| 14          | SUP0073075 | Table to Wagon Support (2 used)               |
| 15          | SCC0000303 | 3/8" × 1 1/4" NC Cap Screw (4 used)           |
| 16          | WCT0003750 | 3/8" Flat Washer (4 used)                     |
| 17          | MNT0073072 | Motor Mount                                   |
| 18          | ZZ 0000405 | 1/4" × 1 1/2" Woodruff Key, For Motor         |
| 19          | NCE0000500 | 1/2" NC Hex Nut (2 used)                      |
| 20          | MTR00RSAKI | Hydraulic Motor, White                        |
| 21          | F 0000073  | 1/2" × 4" Square Head Set Screw               |
| 22          | SCO0000301 | 3/8" × 3/4" FH Socket Cap Screw (4 used)      |
| 23          | SMR1030250 | 10-32 × 2 1/2" Machine Screw                  |
| 24          | WCT0001032 | 10-32 Flat Washer (2 used)                    |
| 25          | ELC0005105 | Electronic Eye Receiver                       |
| 26          | NCE0000250 | 1/4" NC Esna Nut (6 used)                     |
| 27          | WLK0001032 | 10-32 Lock Washer                             |
| 28          | HFH0010320 | 10-32 NF Hex Nut                              |
| 29          | SCC0000101 | 1/4" × 3/4" NC Cap Screw (4 used)             |
| 30          | WCT0000250 | 1/4" Flat Washer (5 used)                     |
| 31          | SHD0014522 | Electric Eye Shield                           |
| 32          | BKT0073077 | Switch Mount Bracket                          |
| 33          | NCE0000375 | 3/8" NC Esna Nut (4 used)                     |
| 34          | NCH0003750 | 3/8" NC Hex Nut (2 used)                      |
| 35          | SCC0000102 | 1/4" × 1" NC Cap Screw (2 used)               |
| 36          | COT0000502 | 1/4" × 1" Cotter Key (4 used)                 |
| 37          | SCC0000302 | 3/8" × 1" NC Cap Screw (4 used)               |
| 38          | SCC0000202 | 5/16" × 1" NC Cap Screw (2 used)              |
| 39          | WCT0003750 | 3/8" Flat Washer (4 used)                     |
| 40          | 11-260     | Actuator Pivot Pin (2 used)                   |
| 41          | ZZ 0002016 | 3/8" Set Collar                               |
| 42          | F 0000278  | Spring (2 used)                               |
| 43          | SMR1031500 | 10-32 × 1 1/2" Machine Screw (4 used)         |
| 44          | 03-158     | Limit Switch (2 used)                         |
| 45          | ACT0073458 | Limit Switch Actuator                         |
| 46          | 11-258     | Limit Switch Actuator Bracket                 |
| 47          | WLK0000250 | 1/4" Lock Washer                              |
| 48          | F 0001002  | Conical Washer                                |

# PUSHER

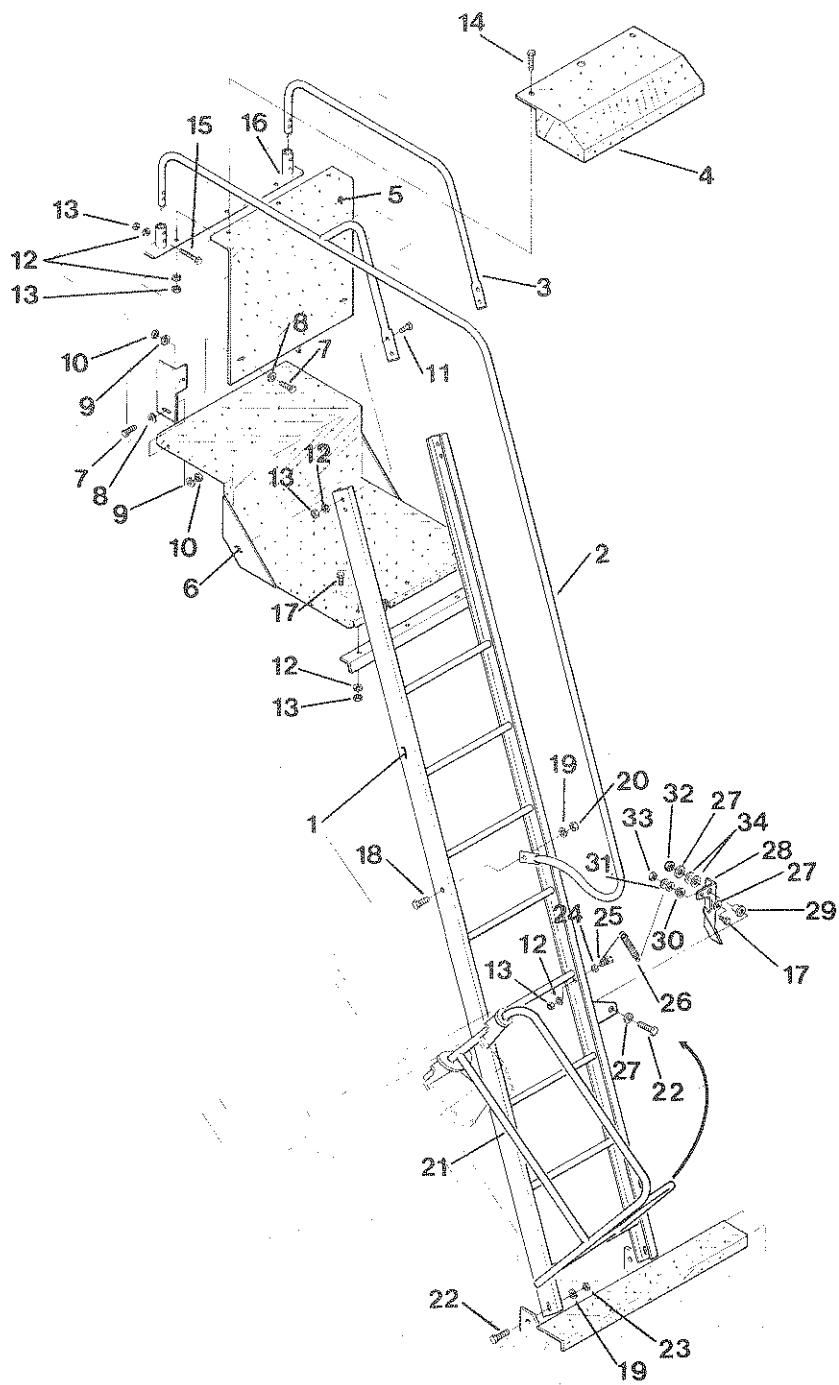


| REF. NO. | PART NO.   | DESCRIPTION                                | REF. NO. | PART NO.   | DESCRIPTION                                   |
|----------|------------|--------------------------------------------|----------|------------|-----------------------------------------------|
| 1        | PUS0073472 | Pusher Frame                               | 22       | NCE0000500 | 1/2" NC Esna Nut                              |
| 2        | SCC0000309 | 3/8" x 2 3/4" NC Cap Screw (4 used)        | 23       | SCC0000505 | 1/2" x 1 3/4" NC Cap Screw (4 used)           |
| 3        | ARM0073402 | Tie Arm (2 used)                           | 24       | CYL0017568 | HyPower LC-17.5x68 SP                         |
| 4        | WLK0003750 | 3/8" Lock Washer (4 used)                  | 25       | BRG1062138 | FYTP 106-2, 1 3/8" Shaft Bearing SKF (2 used) |
| 5        | NCH0003750 | 3/8" NC Hex Nut (4 used)                   | 26       |            | Lock Collar F/Bearing (1 3/8)                 |
| 6        | ZZ 0000413 | 3/8" x 3/8" x 1 Key (4 used)               | 27       | SCC0000503 | 1/2" x 1 1/4" NC Cap Screw (4 used)           |
| 7        | SHF0073003 | Tie Arm Shaft                              | 28       | LEV0073196 | Rear Tie Arm Lever                            |
| 8        | SHF0073002 | Tie Arm Shaft Long                         | 29       | WCT0005000 | 1/2" Flat Washer                              |
| 9        | WLK0007500 | 3/4" Lock Washer                           | 30       | SCC0000506 | 1/2" x 2" NC Cap Screw (4 used)               |
| 10       | NCH0007500 | 3/4" NC Hex Nut                            | 31       | NCX0005000 | 1/2" NC Lock Nut                              |
| 11       | F 0001549  | Drive Rod End RH Thread                    | 32       | BLT0073319 | Tie Arm Pivot                                 |
| 12       | NFJ0007500 | 3/4" NF Jam Nut                            | 33       | LEV0073323 | Rear Tie Arm Lever                            |
| 13       | LEV0073189 | Tie Arm Lever                              | 34       | F 0005992  | Rod End 1/2" RH TM-8N                         |
| 14       | SCC0000808 | 3/4" x 2 1/2" NC Cap Screw                 | 35       | NFJ0005000 | 1/2" NF Jam Nut                               |
| 15       | LEV0073322 | Front Tie Arm Lever                        | 36       | SCC0000808 | 3/4" x 2 1/2" NC Cap Screw                    |
| 16       | NMS0000250 | 1/4" NC Whiz Lock Nut (16 used)            | 37       | NCH0007500 | 3/4" NC Hex Nut (2 used)                      |
| 17       | SCC0000302 | 3/8" x 1" NC Cap Screw (8 used)            | 38       | 06-122     | Clevis Pin                                    |
| 18       | SRP0016794 | Pusher Guide Pad Wear Strip (8 used)       | 39..     | CYL0004966 | Hydraulic Cylinder                            |
| 19       | MNT0016827 | Wear Strip Mount Assy (4 used)             | .        | SEL0017568 | Seal Kit for F/17568                          |
| 20       | SMS0000305 | 1/4" x 1" NC Whiz Lock Cap Screw (16 used) | ..       | SEL3105034 | Seal Kit for F/CYL4966                        |
| 21       | WLK0003750 | 3/8" Lock Washer (8 used)                  |          |            |                                               |

## SPINDLE and WHEEL

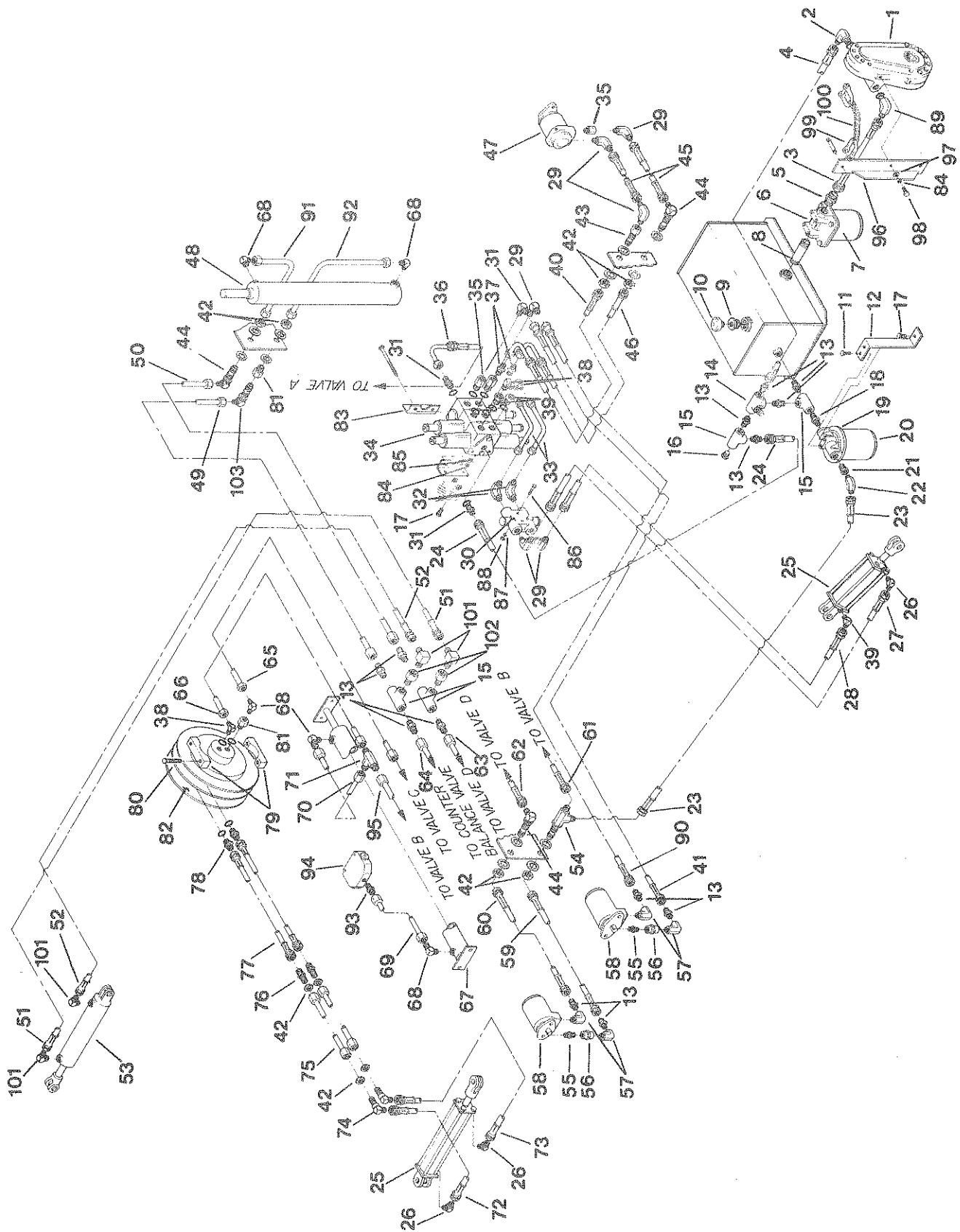


| REF.<br>NO. | PART NO.   | DESCRIPTION                               |
|-------------|------------|-------------------------------------------|
| 1           | TIR2151614 | Rib Implement Tire, 21.5x16.1<br>(2 used) |
| 2           | WHL0503758 | Wheel (2 used)                            |
| 3           | 21-108     | Lug Bolt, 0616460 (18 used)               |
| 4           | 21-113     | Valve Stem (2 used)                       |
| 5           | 19-109     | Hub Cap (2 used)                          |
| 6           | 17-218     | 7/8" NF Castellated Nut (2 used)          |
| 7           | COT0000503 | 1/8" x 1 1/4" Cotter Key (2 used)         |
| 8           | 21-179     | Washer, Spindle                           |
| 9           | 02-126     | Outer Bearing Cone, 2790 (2 used)         |
| 10          | 02-125     | Outer Bearing Cup, 2729 (2 used)          |
| 11          | 21-107     | Hub With Cups, 0206414 (2 used)           |
| 12          | 02-124     | Inner Bearing Cup, 3720 (2 used)          |
| 13          | 02-123     | Inner Bearing Cone, 3780 (2 used)         |
| 14          | 02-122     | Grease Seal, 0204998 (2 used)             |
| 15          | SPN0073052 | Spindle Mount                             |



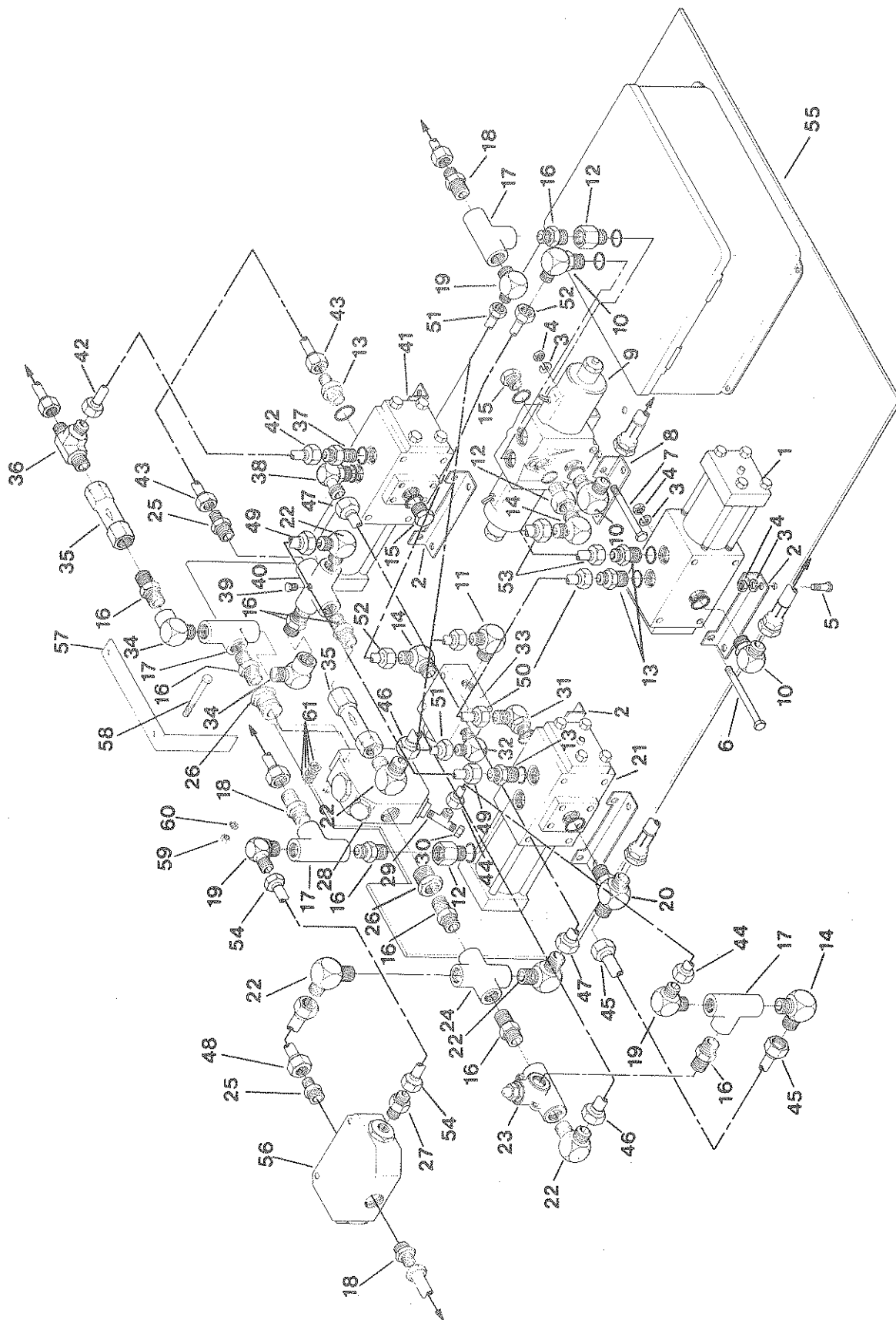
## LADDER and SAFETY PLATFORM

| REF.<br>NO. | PART NO.   | DESCRIPTION                         |
|-------------|------------|-------------------------------------|
| 1           | LDR0016768 | Ladder Assy                         |
| 2           | RAL0016772 | RH Hand Rail                        |
| 3           | RAL0016777 | LH Hand Rail                        |
| 4           | CVR0016816 | Stack Valve Cover                   |
| 5           | MNT0016779 | Valve Mounting Plate                |
| 6           | FLP0016778 | Safety Platform                     |
| 7           | SCC0000302 | 3/8" x 1" NC Cap Screw (4 used)     |
| 8           | WCT0003750 | 3/8" Flat Washer (4 used)           |
| 9           | WLK0003750 | 3/8" Lock Washer (4 used)           |
| 10          | NCH0003750 | 3/8" NC Hex Nut (4 used)            |
| 11          | SCC0000103 | 1/4" x 1 1/4" NC Cap Screw (2 used) |
| 12          | WLK0000250 | 1/4" Lock Washer (3 used)           |
| 13          | NCH0000250 | 1/4" NC Hex Nut (3 used)            |
| 14          | SCC0000104 | 1/4" x 1 1/2" NC Cap Screw (2 used) |
| 15          | SCC0000105 | 1/4" x 1 3/4" NC Cap Screw (2 used) |
| 16          | SUP0016807 | Rail And Plate, Support Assy        |
| 17          | SCC0000102 | 1/4" x 1" NC Cap Screw (3 used)     |
| 18          | SCC0002003 | 5/16" x 1 1/4" NC Cap Screw         |
| 19          | WLK0003125 | 5/16" Lock Washer                   |
| 20          | NCX0003125 | 5/16" Flex Lock Nut                 |
| 21          | GAT0016815 | Safety Gate Assy                    |
| 22          | SCC0000202 | 5/16" x 1" NC Cap Screw             |
| 23          | NCH0003125 | 5/16" NC Hex Nut                    |
| 24          | NCJ0000250 | 1/4" NC Jam Nut                     |
| 25          | SCC0000101 | 1/4" x 3/4" NC Cap Screw            |
| 26          | F 0000278  | Spring                              |
| 27          | WCT0003125 | 5/16" Flat Washer (3 used)          |
| 28          | LAT0016809 | Safety Gate Latch                   |
| 29          | 05-132     | Ferrule 5/16"                       |
| 30          | NMS0000250 | 1/4" Whiz Lock Nut                  |
| 31          | WCT0000250 | 1/4" Flat Washer (2 used)           |
| 32          | NCE0000313 | 5/16" NC Esna Nut                   |
| 33          | NCE0000250 | 1/4" NC Esna Nut                    |
| 34          | WAS0500875 | 1/2" Shims (Add as Needed)          |



# MAIN FRAME HYDRAULICS

| REF.<br>NO. | PART NO.   | DESCRIPTION                                          | REF.<br>NO. | PART NO.   | DESCRIPTION                                                 |
|-------------|------------|------------------------------------------------------|-------------|------------|-------------------------------------------------------------|
| 1           | PMP0002000 | Pump HCPT02 HC1HCPT02                                | 51          | HOS0017006 | 1/4" Hose 69"                                               |
| 2           | HYD5515060 | 3/4" x 90 Degree Male Elbow                          | 52          | HOS0017007 | 1/4" Hose 62"                                               |
|             |            | "O" Ring                                             | 53          | F 0006724  | Cylinder, Bale Retainer                                     |
| 3           | HOS0016983 | 1" Hose 12"                                          | 54          | HYD5726040 | Bulkhead Run Tee                                            |
| 4           | HOS0016984 | 1/2" Hose 91"                                        | 55          | HYD3069040 | 3/4" x 1/2" Hex Nipple C3069x8                              |
| 5           | HYD5405070 | 1" Male Connector                                    | 56          | HYD3309040 | 1/2" Coupling, C3309x8                                      |
| 6           | FIL2016149 | Suction Screen, Head and Cam<br>and Element          | 57          | HYD3409040 | 1/2" x 90 Degree Street Elbow,<br>C3409x8                   |
| 7           | FIL0000377 | Element (Screen Only)                                | 58          | MTR00RSAKI | Hydraulic Motor, White                                      |
| 8           | PPE1000600 | 1" x 6" Pipe                                         | 59          | HOS0017015 | 1/2" Hose 52"                                               |
| 9           | HYD3109086 | 1 1/4" x 3/4" Bushing C3109x20x12                    | 60          | HOS0017016 | 1/2" Hose 56"                                               |
| 10          | FT 0000530 | Breather Cap                                         | 61          | HOS0017013 | 1/2" Hose 76"                                               |
| 11          | SCC0000102 | 1/4" x 1" NC Cap Screw                               | 62          | HOS0017014 | 1/2" Hose 61"                                               |
| 12          | BKT0016821 | Filter Support Bracket                               | 63          | TBE0017000 | 1/2" Hydraulic Tube                                         |
| 13          | HYD5205044 | 1/2" x 1/2" Male Connector<br>C5205x8x8              | 64          | TBE0017001 | 1/2" Hydraulic Tube                                         |
|             |            | Relief Valve 2000 PSI                                | 65          | TBE0017005 | 1/2" Hydraulic Tube                                         |
| 14          | 01-513     | 1/2" Tee C3709x8                                     | 66          | TBE0017004 | 1/2" Hydraulic Tube                                         |
| 15          | HYD3709040 | 1/2" Plug                                            | 67          | CYL0017568 | Cylinder, LC1.75x68 SP HyPower                              |
| 16          | HYD0723040 | 3/8" x 1" NC Cap Screw                               | 68          | HYD5404044 | 1/2" x 90 Degree Male Elbow<br>c5404x8x8                    |
| 17          | SCC0000302 | 1 1/2" x 1/4" Male Connector                         | 69          | TBE0017019 | 1/2" Hydraulic Tube                                         |
| 18          | HYD5205098 | 5205x24x20                                           | 70          | TBE0017013 | 1/2" Hydraulic Tube                                         |
| 19          | FIL0010710 | Return Filter, Head Canister                         | 71          | HYD5726040 | 1/2" Branch Tee, C5726x8                                    |
| 20          | FIL0022001 | Element Canister                                     | 72          | HOS0017010 | 3/8" Hose 30"                                               |
| 21          | HYD3109064 | 3/4" x 1" Adapter                                    | 73          | HOS0017011 | 3/8" Hose 20 1/2"                                           |
| 22          | HYD5355046 | 1/2" x 3/4" 45 Degree Male Elbow<br>C5355x8          | 74          | HYD5505040 | Bulkhead Union Elbow, C5505x8                               |
|             |            | 1/2" Hose 210"                                       | 75          | TBE0017009 | 1/2" Hydraulic Tube (2 used)                                |
| 23          | HOS0017012 | 1/2" Hose 254"                                       | 76          | HYD5325040 | 1/2" Bulkhead Union, C5325x8                                |
| 24          | HOS0016985 | Hydraulic Cylinder                                   | 77          | HOS0017008 | 3/8" Hose 82"                                               |
| 25          | CYL0004966 | 3/8" x 90 Degree Male Elbow<br>C5405x6x8             | 78          | HYD5315034 | 3/8" x 1/2" Straight Thread<br>Connector "O" Ring C5315x6x8 |
| 26          | HYD5405034 | 3/8" Hose 165"                                       | 79          |            | Hose Reel Mounts                                            |
| 27          | HOS0017017 | 3/8" Hose 155"                                       | 80          | SCC0000504 | 1/2" x 3" NC Cap Screws (2 used)                            |
| 28          | HOS0017018 | 1/2" x 90 Degree Male Elbow                          | 81          | HYD5275040 | 1/2" x 3/8" Female Pipe Adapter,<br>Bulkhead                |
| 29          | HYD5405044 | Lockout Valve, L050D                                 | 82          | REE0646040 | Cascade Hose Reel                                           |
| 30          | F 0006188  | 90 Degree Elbow C5515x8 "O" Ring                     | 83          | BKT0073081 | Valve Mounting Bracket (2 used)                             |
| 31          | HYD5515040 | 1/2" x 3/8" x 90 Degree Male Elbow                   | 84          | WLK0003750 | 3/8" Lock Washer (4 used)                                   |
| 32          | HYD5405043 | 3/8" Hydraulic Tube (2 used)                         | 85          | NCH0003750 | 3/8" NC Hex Nut (4 used)                                    |
| 33          | TBE0016986 | Stack Valve Assembly                                 | 86          | SCC0000208 | 5/16" x 2 1/2" NC Cap Screw<br>(3 used)                     |
| 34          | VLV4813132 | 1/2" Straight Thread Adapter<br>w/"O" Ring           | 87          | WLK0003125 | 5/16" Lock Washer (2 used)                                  |
| 35          | HYD3269044 | 1/2" Hose 71"                                        | 88          | NCH0003125 | 5/16" NC Hex Nut (2 used)                                   |
| 36          | HOS0016995 | "O" Ring Connector C5315x8                           | 89          | HYD5515070 | 1" x 90 Degree Male Elbow<br>"O" Ring                       |
| 37          | HYD5315040 | 3/8" x 1/2" Elbow w/"O" Ring                         | 90          | HOS0016993 | 1/2" Hose 65 1/2"                                           |
| 38          | HYD5515034 | 3/8" Swivel Adapter Elbow                            | 91          | TBE0016999 | 1/2" Hydraulic Tube                                         |
| 39          | HYD0610606 | 1/2" Hose 59"                                        | 92          | TBE0016998 | 1/2" Hydraulic Tube                                         |
| 40          | HOS0016990 | 1/2" Hose 70 1/2"                                    | 93          | HYD5205040 | 3/8" x 1/2" Male Connector                                  |
| 41          | HOS0016994 | 1/2" Bulkhead Nut                                    | 94          | VLV0001075 | Sequence Valve                                              |
| 42          | HYD5294040 | 1/2" Female Bulkhead Connector                       | 95          | TBE0017002 | 1/2" Hydraulic Tube                                         |
| 43          | HYD5275040 | 1/2" x 90 Degree Bulkhead Union<br>Elbow             | 96          | BAR0073224 | Pump Anchor Bar                                             |
| 44          | HYD5525040 | 1/2" Hose 89"                                        | 97          | WCT0003750 | 3/8" Flat Washer (2 used)                                   |
| 45          | HOS0016992 | 1/2" Hose 59"                                        | 98          | SCC0000304 | 3/8" x 1 1/4" NC Cap Screw<br>(2 used)                      |
| 46          | HOS0016991 | Pusher Cylinder Motor 104-1026,<br>A5K Charlynn 2000 | 99          | 06-108     | 3/16" Clevis SWL1/3T                                        |
| 47          | MTR1041026 | Hypower Cylinder, LCA4x54 SP                         | 100         | CHN0020000 | Passing Link 2/0-24                                         |
| 48          | CYL0000454 | 1/2" Hydraulic Tube                                  | 101         | HYD5405023 | 1/4" x 3/8" 90 Degree                                       |
| 49          | TBE0016996 | 1/2" Hydraulic Tube                                  | 102         | HYD3109034 | 3/8" x 1/2" Steel Bushing                                   |
| 50          | TBE0016997 |                                                      | 103         | HYD5405040 | 1/2" 90 Degree Male Elbow                                   |



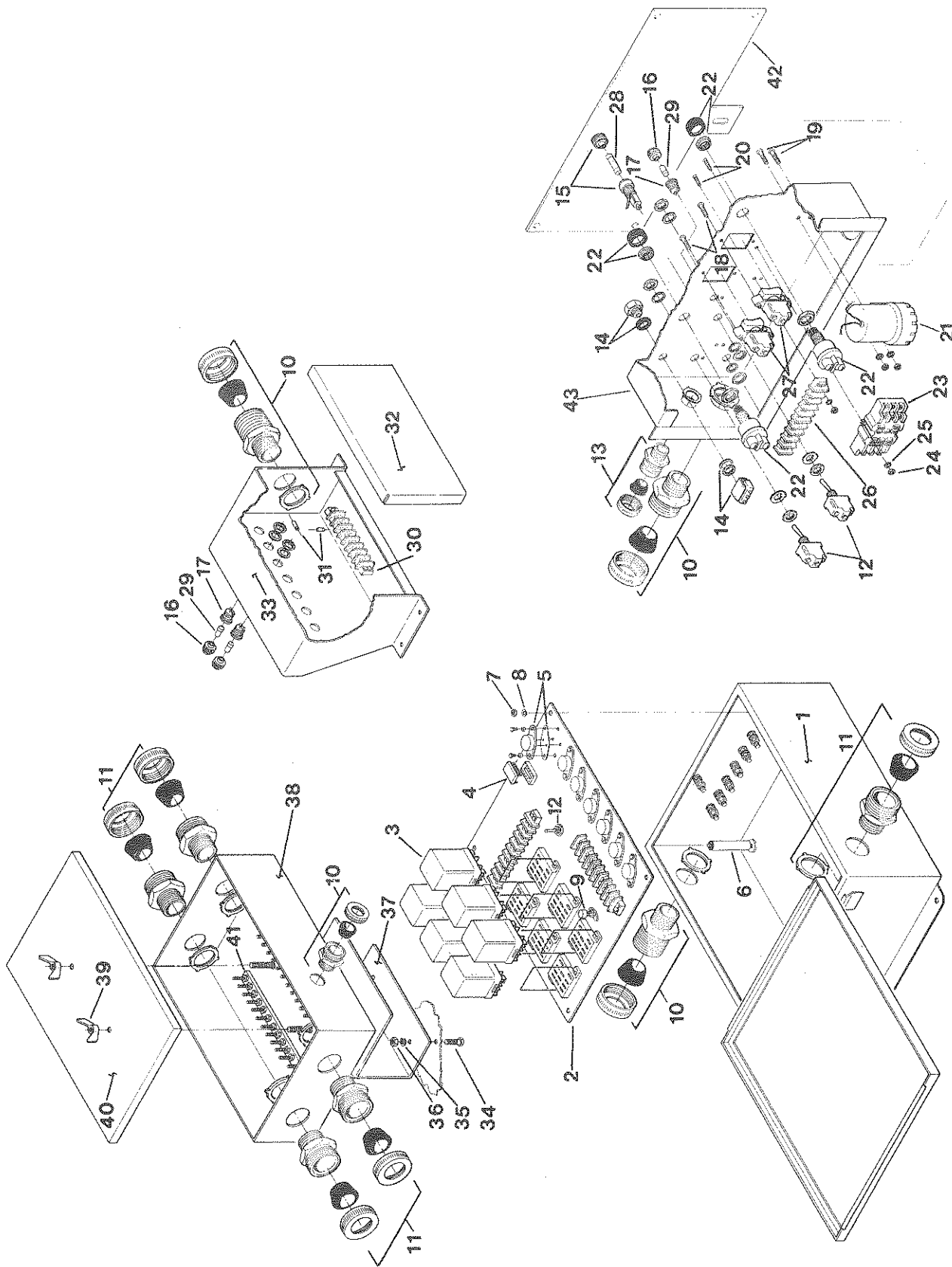
## MAIN HYDRAULIC PANEL

| REF.<br>NO. | PART NO.   | DESCRIPTION                                                                 | REF.<br>NO. | PART NO.   | DESCRIPTION                                        |
|-------------|------------|-----------------------------------------------------------------------------|-------------|------------|----------------------------------------------------|
| 1           | VLV4951184 | Valve A, Deck Chains                                                        | 28          | VLV0001075 | Sequence Valve                                     |
|             | ELC0015019 | Solenoid Coil Only                                                          | 29          | HYD5755032 | 3/8" x 1/4" Male Run Tee                           |
| 2           | BKT0073082 | Valve Mounting Bracket (6 used)                                             | 30          | HYD5129030 | 3/8" Cap Jic                                       |
| 3           | WLK0003750 | 3/8" Lock Washer (24 used)                                                  | 31          | HYD5515050 | 5/8" x 90 Degree Straight                          |
| 4           | NCE0000375 | 3/8" NC Esna Nut (24 used)                                                  |             |            | Thread Elbow "O" Ring                              |
| 5           | SCC0000302 | 3/8" x 1" NC Cap Screw (16 used)                                            | 32          | HYD5405030 | 3/8" x 90 Degree Elbow Jic                         |
| 6           | SCC0000313 | 3/8" x 3 3/4" NC Cap Screw<br>(6 used)                                      | 33          | VLV0000006 | Counter Balance Valve                              |
| 7           | SCC0000311 | 3/8" x 3 1/4" NC Cap Screw<br>(2 used)                                      | 34          | HYD3409040 | 1/2" x 90 Degree Steel Street<br>Elbow (2 used)    |
| 8           | BKT0073081 | Valve Mounting Bracket (2 used)                                             | 35          | F 0006657  | 1/2" Check Valve (2 used)                          |
| 9           | VLV0004813 | Double Thread Solenoid Valve<br>4813-12VDC, Bed                             | 36          | HYD5755444 | 1/2" x 1/2" x 1/2" Male Run Tee                    |
| 10          | HYD5515040 | 1/2" x 90 Degree Elbow "O" Ring<br>(2 used)                                 | 37          | HYD5315040 | 1/2" Straight Thread Connector<br>"O" Ring         |
| 11          | HYD5405064 | 1/2" x 90 Degree Male Elbow                                                 | 38          | HYD5515050 | 5/8" x 90 Degree Straight<br>Thread Elbow "O" Ring |
| 12          | HYD3269044 | 1/2" x 1/2" Straight Thread<br>"O" Ring Adaptor (2 used)                    | 39          | HYD3159020 | 1/4" Steel Plug Hex                                |
| 13          | HYD5315054 | 5/8" Straight Thread "O" Ring<br>Connector (4 used)                         | 40          | HYD0016808 | 1/2" Ported Cross                                  |
| 14          | HYD5405040 | 1/2" x 90 Degree Male Elbow<br>(6 used)                                     | 41          | VLV495T819 | Valve C, Tie Arms                                  |
| 15          | HYD7230040 | 1/2" Straight Thread "O" Ring Plug<br>(2 used)                              | 42          | TBE0017026 | 1/2" Hydraulic Tube                                |
| 16          | HYD3069040 | 1/2" Hex Nipple (9 used)                                                    | 43          | TBE0017027 | 5/8" Hydraulic Tube                                |
| 17          | HYD3709040 | 1/2" Steel Tee (4 used)                                                     | 44          | TBE0017028 | 3/8" Hydraulic Tube                                |
| 18          | HYD5205040 | 3/8" x 1/2" Male Connector<br>(3 used)                                      | 45          | TBE0017029 | 1/2" Hydraulic Tube                                |
| 19          | HYD5405034 | 3/8" x 90 Degree Male Elbow<br>(2 used)                                     | 46          | TBE0017030 | 5/8" Hydraulic Tube                                |
| 20          | HYD5715040 | 1/2" Straight Thread Branch Tee                                             | 47          | TBE0017031 | 5/8" Hydraulic Tube                                |
| 21          | VLV495T819 | Valve B, Pusher                                                             | 48          | TBE0017032 | 5/8" Hydraulic Tube                                |
| 22          | HYD5405050 | 5/8" x 90 Degree Male Elbow<br>(5 used)                                     | 49          | TBE0017033 | 5/8" Hydraulic Tube                                |
| 23          | 01-514     | 1500 PSI Relief Valve<br>Tube From Relief Valve To Counter<br>Balance Valve | 50          | TBE0017034 | 5/8" Hydraulic Tube                                |
| 24          | HYD3959040 | 1/2" Steel Cross                                                            | 51          | TBE0017035 | 1/2" Hydraulic Tube                                |
| 25          | HYD5205050 | 5/8" Straight Male Connector<br>(2 used)                                    | 52          | TBE0017036 | 1/2" Hydraulic Tube                                |
| 26          | HYD3109064 | 3/4" x 1/2" Steel Bushing (2 used)                                          | 53          | TBE0017037 | 5/8" Hydraulic Tube                                |
| 27          | HYD5205030 | 3/8" x 1/4" Straight Male Connector                                         | 54          | TBE0017025 | 3/8" Hydraulic Tube                                |
|             |            |                                                                             | 55          | FLP0073115 | Valve Mounting Platform                            |
|             |            |                                                                             | 56          | VLVRD10750 | Counter Balance Valve                              |
|             |            |                                                                             | 57          | BKT0016915 | Terminal Strip Bracket                             |
|             |            |                                                                             | 58          | SCC0000108 | 1/4" x 2 1/2" NC Cap Screw<br>(2 used)             |
|             |            |                                                                             | 59          | NCH0000250 | 1/4" NC Hex Nut (2 used)                           |
|             |            |                                                                             | 60          | WLK0000250 | 1/4" Lock Washer (2 used)                          |
|             |            |                                                                             | 61          | WCT0000250 | 1/4" Flat Washer (8 used)                          |



## COMPONENT LOCATION

| REF.<br>NO. | PART NO.   | DESCRIPTION                         |
|-------------|------------|-------------------------------------|
| LS1         | 03-158     | Center Bale Pusher (Micro Switch)   |
| LS2         | ELC0005000 | Short Stroke Return Limit Switch    |
| LS3         | ELC0005000 | Long Stroke Return Limit Switch     |
| LS4         | ELC0005000 | Pusher Return Stop Limit Switch     |
| LS5         | ELC0005000 | Tier Tie Selector Switch            |
| LS6         | ELC0005000 | Inner Tie Tier Selector Switch      |
| LS7         | ELC0005000 | Load Table Bed Index (Limit Switch) |
| LS8         | 03-158     | Pusher Start (Micro Switch)         |
| LS9-R       | ELC0005105 | Electronic Eye Receiver             |
| LS9-S       | ELC0005106 | Electronic EyeLight Source          |
| LS10        | ELC0005000 | Bale Retainer Limit Switch          |
| LS11        | ELC0005000 | Load Pusher Return Stop Switch      |
| LS12        | ELC0005000 | Load Table Stop Limit Switch        |
| 1           | ELC0005001 | Lever Arm MA-11, 1 1/2" (6 used)    |
| 2           | ELC0005084 | Lever Arm EA-11, 3" (3 used)        |
| 3           | VLV4813132 | Stack Valve Assembly                |
| 4           | F 0006188  | Lockout Valve, LO-50-D Gresen       |
| 5           | LIT0007000 | Tie Indicator Lights Assembly       |
| 6           | ELC0121000 | Top Panel Relay Box, A-1210LP       |
| 7           | BOX0169400 | Top Panel Junction Box              |
| 8           | VLV4951184 | Valve A                             |
| 9           | VLV495T819 | Valve B                             |
| 10          | VLV495T819 | Valve C                             |
| 11          | VLV0004813 | Valve D                             |
| 12          | BOX0165590 | Control Box                         |
| 13          | CBL0017040 | 12 Conductor Electric Cord 35'      |
| 14          | CBL0017041 | 2 Conductor Electric Cord 12'       |
| 15          | CBL0017042 | 3 Conductor Electric Cord 56"       |
| 16          | CBL0017043 | 12 Conductor Electric Cord 42"      |
| 17          | CBL0017044 | 12 Conductor Electric Cord 48"      |
| 18          | CBL0017045 | 8 Conductor Electric Cord 180"      |
| 19          | CBL0017046 | 3 Conductor Electric Cord 54"       |
| 20          | CBL0017047 | 2 Conductor Electric Cord 53"       |
| 21          | CBL0017048 | 2 Conductor Electric Cord 74"       |
| 22          | CBL0017049 | 2 Conductor Electric Cord 77"       |
| 23          | CBL0017050 | 2 Conductor Electric Cord 109"      |
| 24          | CBL0017051 | 3 Conductor Electric Cord 52"       |
| 25          | CBL0017052 | 2 Conductor Electric Cord 28"       |
| 26          | CBL0017053 | 3 Conductor Electric Cord 72"       |
| 27          | CBL0017054 | 2 Conductor Electric Cord 70"       |
| 28          | CBL0017055 | 3 Conductor Electric Cord 16"       |
| 29          | CBL0017056 | 3 Conductor Electric Cord 117"      |
| 30          | CBL0017057 | 6 Conductor Electric Cord 9'        |
| 31          | CBL0017058 | 3 Conductor Electric Cord 48"       |
| 32          | CBL0017059 | 2 Conductor Electric Cord 42"       |
| 33          | CBL0017060 | 2 Conductor Electric Cord 103"      |
| 34          | CBL0017061 | 2 Conductor Electric Cord 155"      |
| 35          | CBL0017062 | 12 Conductor Electric Cord 56"      |
| 36          | CBL0017063 | 8 Conductor Electric Cord 47"       |
| 37          | 03-177     | Connector 1/2", CGB196 CH           |

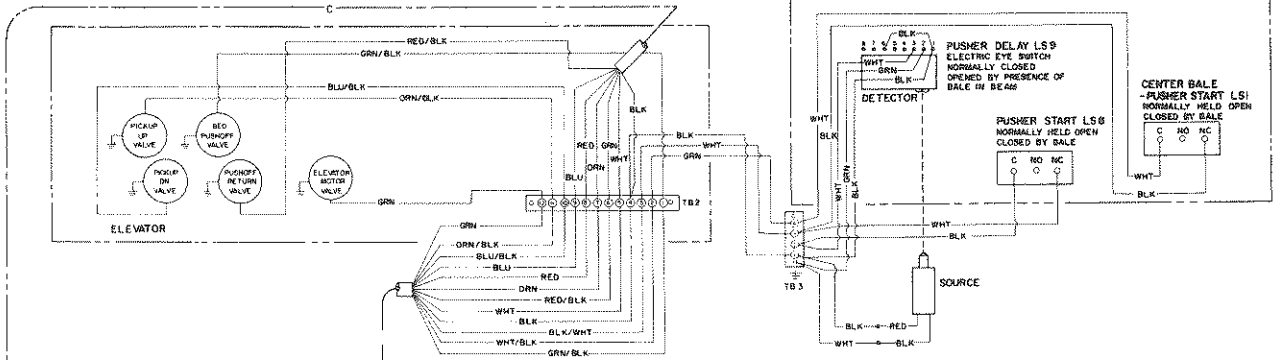


## 7 TIER CONTROLS

| REF.<br>NO. | PART NO.   | DESCRIPTION                                 |
|-------------|------------|---------------------------------------------|
| 1           | 03-180     | Box, W/Cover, a-1210LP                      |
| 2           | 03-900     | Relay Chassis Complete                      |
| 3           | 03-182     | Relay, W388CPX-10 Magnecraft                |
| 4           | 03-183     | Intergrated Circuit, M6140174CP<br>Motorola |
| 5           | 03-184     | Transistor, 2N6055                          |
|             | 03-185     | Transistor, Base MK-5                       |
| 6           | 07-126     | Spacer 3/8" OD x 1 1/2" Tubing              |
| 7           | NFH0001032 | 10-32 NF Hex Nut                            |
| 8           | WLK0001000 | 1 Lock Washer                               |
| 9           | ELC0044003 | 2N5416 Transistor RCA                       |
| 10          | 03-179     | Connector 3/4", CGB296 CH                   |
| 11          | 03-186     | Connector 1", CGB397 CH                     |
| 12          | 03-181     | Switch, 1TL1-3 Micro                        |
| 13          | 03-177     | Connector 1/2", CGB196 CH                   |
| 14          | 03-191     | Switch, 1PB4 Micro                          |
| 15          | 03-192     | Fuse Holder HKP Buss                        |
| 16          | 03-189     | Indicator Lamp Lens 178-0332-500            |
| 17          | 03-188     | Indicator Lamp Base 162-8130-09-502         |
| 18          | SMF6320750 | 6-32 x 3/4" FH Screw (4 used)               |
| 19          | SMF6320500 | 6-32 x 1/2" FH Screw (4 used)               |
| 20          | SMF6320625 | 6-32 x 5/8" FH Screw (2 used)               |
| 21          | ELC0005057 | Warn-A-Larn                                 |
| 22          | F 0005237  | Switch                                      |
| 23          | ELC027E121 | Relay Sockets Kvp                           |
| 24          | NMS0001189 | 6-32 x 1/4" Nut                             |
| 25          | WIS0006000 | Washer Internal Star                        |
| 26          | BAB0010140 | Barrier Block                               |
| 27          | ELC0005070 | Limit Switch Lever Arm                      |
| 28          | 03-193     | Fuse AGC 15                                 |
| 29          | 03-190     | Indicator Lamp Bulb 330 GE                  |
| 30          | BAB0008140 | Barrier Strip                               |
| 31          | ELC0046003 | Diode (13 used)                             |
| 32          | CVR0073094 | Tie Indicator Light Cover                   |
| 33          | BOX0016939 | Tie Indicator Light Box                     |
| 34          | SCC0000101 | 1/4" x 3/4" NC Cap Screw (2 used)           |
| 35          | WLK0000250 | 1/4" Lock Washer (2 used)                   |
| 36          | NCH0000250 | 1/4" NC Hex Nut (2 used)                    |
| 37          | MNT0016942 | Terminal Box Mount                          |
| 38          | BOX0016940 | Terminal Strip Box                          |
| 39          | NCW0003125 | 5/16" NC Wing Nut (2 used)                  |
| 40          | CVR0016941 | Terminal Strip Box Cover                    |
| 41          | 03-208     | Barrier Block 10 Post                       |
| 42          | CVR0016823 | Cover Control Box                           |
| 43          | BOX0016559 | Control Box                                 |

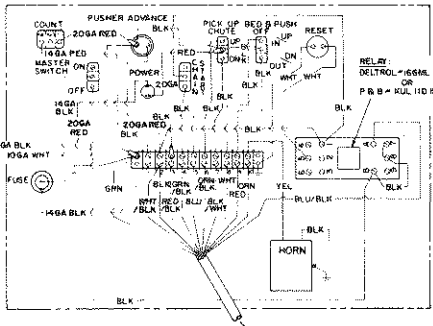
(L.H.SIDE)

UPPER ELE. LOAD TABLE

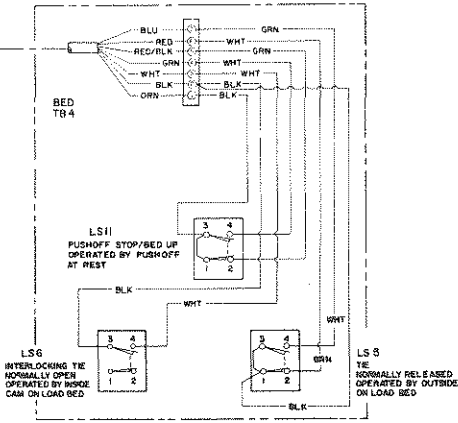
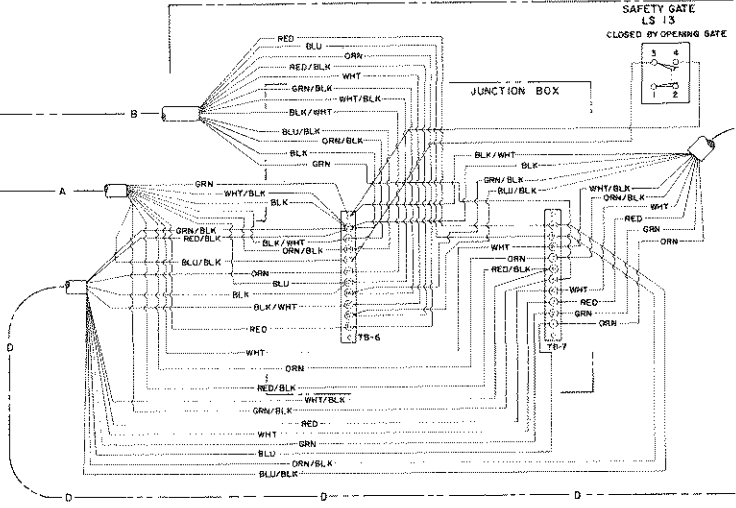


NOTE: ALL WIRES ARE 16 GA UNLESS SHOWN OTHERWISE

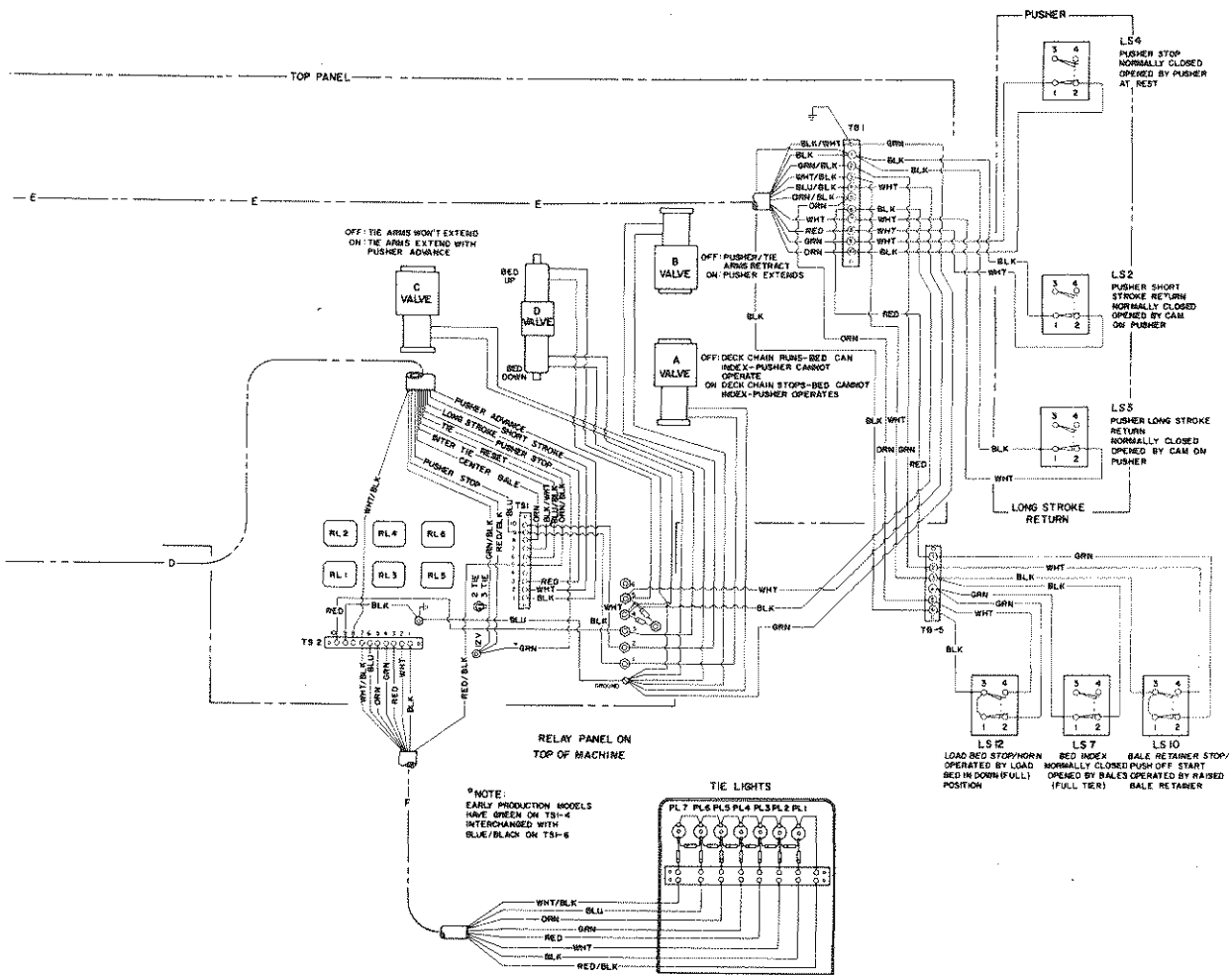
FRONT CONTROL BOX



SAFETY GATE LS 13  
CLOSED BY OPENING GATE



# 7 TIER ELECTRICAL SCHEMATIC



## MAINTENANCE NOTES