

EPD2/Art's Way/463130-PS

Beet Harvester

Model: 698

ILLUSTRATED PARTS LIST

Art's-Way Manufacturing Co., Inc.

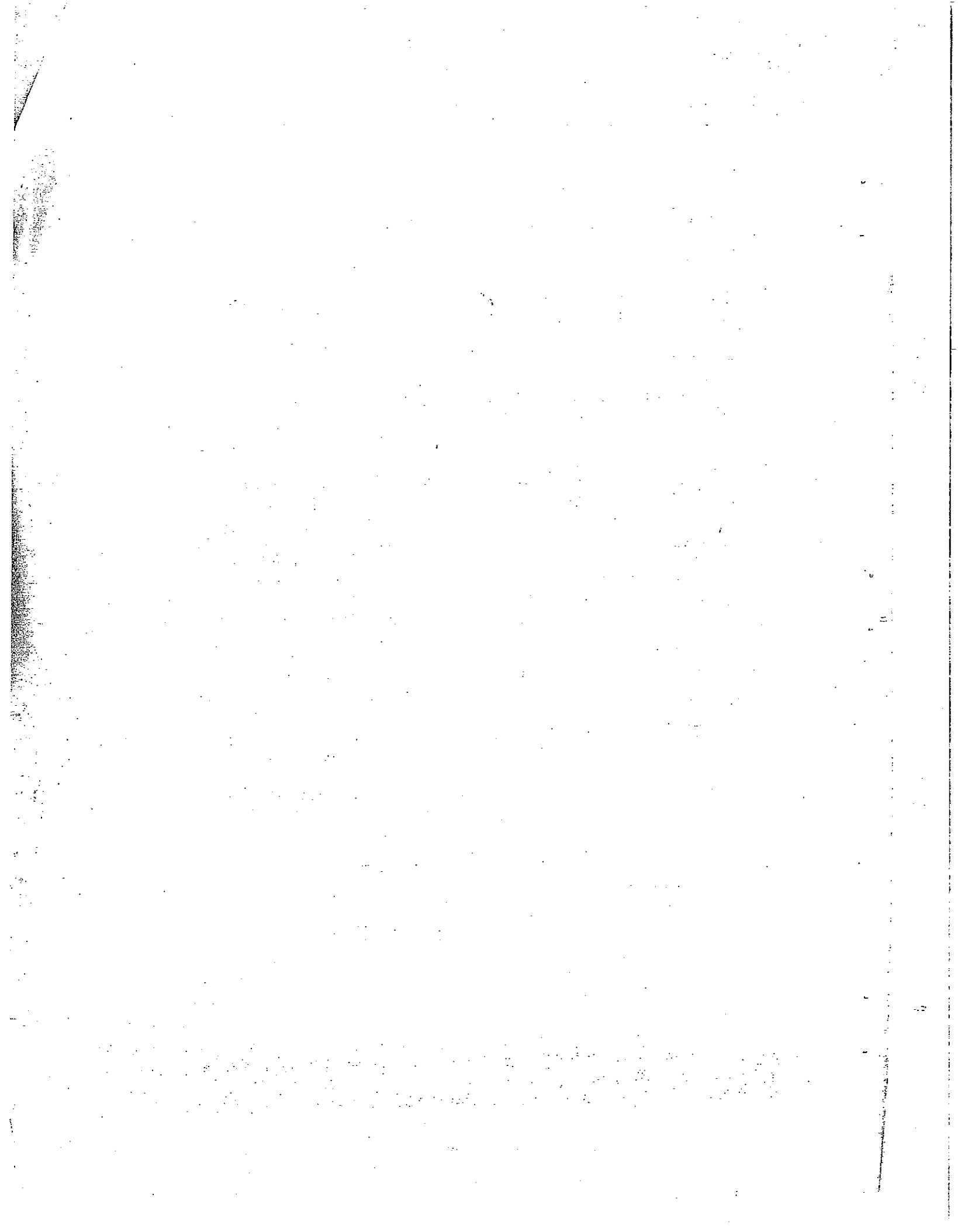


Quality Manufacturers of:

- **Portable Mixer-Processor**
105 bushel with 20" hammerMill or 150 bushel with 26" HammerMill.
- **GRIXXER - Mixer Processor**
Economical portable 105 bushel Grinder Mixer with a 20" HammerMill — other options available.
- **SSP 150 - Superior Swine Processing**
150 bushel with 30" RollerMill for cattle applications.
- **CATTLEMAX - Cattle Processing**
105 bushel or 150 bushel with 20" RollerMill for cattle applications.
- **HammerMills**
26" electrically or PTO driven mills.
- **RollerMills**
10", 20", 30" or 36" PTO or electrically driven mills.
- **SCALE SYSTEMS**
Electronic weighing equipment — from basic weighing to a computerized system.
Platform Scales
Universal Scales
Small Animal Scales
Mounting Scales
Scale Accessories
Indicators, single ingredient & Batching
- **Flail Shredders**
144", 180" or 240" cutting widths.
- **LOGAN - Potato Equipment**
Potato Harvesters, Potato Planters, Windrowers and Bulk Boxes.
- **Finishing Mowers and Rotary Cutters**
60" or 72" Rear Mount and Mid-Mount Mowers.
- **Eversman PreSeeder**
15' to 30' tillage tool that prepares the ideal seed bed, incorporates chemicals and plants in one pass.
- **Eversman Ditchers**
43" to 84" ditch width.
20" to 22" ditch depth.
- **Eversman Land Levelers**
9' 3" to 14' cutting blade width.
19" to 30" cutting blade depth.
- **Eversman Land Planes**
16', 20' or 24' blade widths.
- **Eversman Scrapers**
78" cutting width.
2 yards to 5-1/2 yards strut capacity.
- **Sugar Beet Defoliators**
4 to 12 row defoliators with different row spacings. Optional hydraulic or mechanical scalpers.
- **Sugar Beet Harvesters**
4 to 8 row harvesters with different row spacings.
- **MEGA eater**
4-row potato harvester.
- **Grain Wagons**
350 bushel or 475 bushel center dump.
280 bushel, 320 bushel, 390 bushel, 470 bushel or 747A bushel side dump.

Art's-Way Manufacturing Co., Inc.

P.O. Box 288, Highway 9 West • Armstrong, Iowa 50514-0288
Phone: (712) 864-3131 • Fax: (712) 864-3154



TO THE OWNER

Congratulations on the purchase of your new Art's-Way Harvester. You have selected a top quality machine that is designed and built with pride to ensure you have many years of efficient, reliable service.

Even if you are an experienced operator of this or similar equipment, *we ask you read the Operator's Manual before running this harvester.* The way you operate, adjust and maintain this unit will have much to do with its successful performance. Any further questions you may have about this piece of Art's-Way equipment should be directed to your local Art's-Way dealer or to Art's-Way Manufacturing Co., Inc., Armstrong, Iowa, 50514, (712) 864-3131.

Specifications And Design Are Subject To Change Without Notice

Art's-Way Manufacturing Co., Inc. is continually making product improvements. In doing so, we reserve the right to make changes or add improvements to our products without obligation for the equipment previously sold.

Because modifications to this harvester may effect the performance, function and safety of its operation, no modifications are to be made without the written permission of Art's-Way Manufacturing Co., Inc. Any modifications made without the written permission of Art's-Way Manufacturing Co., Inc. shall void the warranty of this product.

In the interest of continued safe operation of this harvester, *pay particular attention to the safety alert symbol throughout this Manual.*

Art's-Way Manufacturing Co., Inc. Statement Of Product Liability

Art's-Way Manufacturing Co., Inc. recognizes its responsibility to provide its customers with a safe and efficient product. Art's-Way attempts to design and manufacture its product in accordance with accepted engineering practices in effect at the date of design. This statement should not be interpreted to mean that our products will protect against the user's own carelessness or failure to follow common safety practices, as set forth in this manual, nor will Art's-Way be liable for any such act. In addition, Art's-Way assumes no liability for product altered or modified in any way by users or anyone other than an authorized dealer.

Important Warranty Information

The warranty for this harvester appears on page iv of this Manual. In order to establish proper warranty registration, the Warranty Registration and Dealer Pre-Delivery Checklist must be completed and returned to the factory. Failure to comply with this requirement may result in reduced warranty allowances.

PARTS AND SERVICE

As the new purchaser of your Harvester, it is very important to consider the following factors:

- A. Original Quality
- B. Availability of Service Parts
- C. Availability of adequate Service Facilities

Art's-Way Manufacturing Co., Inc. has an excellent dealership network ready to answer any questions you may have about your Harvester. Parts for your machine may be ordered through our dealers. When placing a parts order, please have the model and serial number ready. This will allow the dealer to fill your order as quickly as possible.

For your convenience, we have provided this space for you to record your model number, serial number and the date of purchase, as well as your dealer's name and address.

Owner's Name: _____

Owner's Address: _____

Purchase Date: _____

Dealership Name: _____

Dealership Address: _____

Dealership Phone No.: _____

Building on a

Art's-Way

Tradition of Quality

SERIAL NO.

MODEL NO.

Manufactured By
Art's-Way Manufacturing Co., Inc.
Armstrong, LA

Machine Serial Number Location

(Left front corner of the main frame.)

Enter the serial number and model number of your harvester in the space provided above.

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LIMITED WARRANTY

Art's-Way Manufacturing Co., Inc. warrants the products it sells to be free from defects in material and workmanship for a period of one (1) year after the date of delivery to the first purchaser, subject to the following conditions:

- Art's-Way Manufacturing Co., Inc. obligation and liability under this warranty is to repair or replace (at the company's option) any parts which upon manufacture were defective in material or workmanship.
- All parts and repairs under this warranty shall be supplied at an authorized Art's-Way Manufacturing Co., Inc. dealer or at the factory, at the option of Art's-Way Manufacturing Co., Inc.
- Art's-Way Manufacturing Co., Inc. warranty does not extend to parts and elements not manufactured by Art's-Way Manufacturing Co., Inc. and which carry the warranty of the other manufacturer.
- Transportation or shipping to an authorized dealer for necessary repairs is at the expense of the purchaser.
- Art's-Way Manufacturing Co., Inc. makes no other warranty expressed or implied and makes no warranty of merchantability or fitness for any particular purpose beyond that expressly stated in this warranty. Art's-Way Manufacturing Co., Inc. liability is limited to the terms set forth in this warranty and does not include any liability for direct, indirect, incidental or consequential damages or expenses of delay and the Company's liability is limited to repair or replacement of defective parts as set forth herein.
- Any improper use, and maintenance, including operation after discovery of defective or worn parts, operation beyond the rated capacity, substitution of parts not approved by Art's-Way Manufacturing Co., Inc. or any alteration or repair by other than authorized Art's-Way Manufacturing Co., Inc. dealer which affects the product materially and adversely, shall void this warranty.
- No dealer, employee or representative is authorized to change this warranty in any way or grant any other warranty unless such change is made in writing and signed by an officer of Art's-Way Manufacturing Co., Inc. at its home office.
- Some states do not allow limitations on how long an implied warranty lasts or exclusions of, or limitations on relief such as incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you the specific legal rights and you may have other rights which vary from state to state.

SAFETY FIRST

"A careful operator is the best insurance against an accident."

(National Safety Council)

Most accidents can be prevented if the operator:

- fully understands how the machine functions
- can anticipate situations which may produce problems
- can make necessary corrections before problems develop.



Figure 1: The Universal Safety Alert Symbol

The American Society of Agricultural Engineers has adopted the *Universal Safety Alert Symbol* (Figure 1) as a way to identify areas of potential danger if the equipment is not operated correctly. *Please be alert whenever you see this symbol in the manuals or on your Harvester.*

Art's-Way Manufacturing Co., Inc. strives to make our equipment as safe as it can possibly be. The Harvester conforms to applicable safety standards at the time of manufacturing. A safety conscious equipment operator makes an effective accident-prevention program complete.

Safety features and instructions for the Harvester models are detailed elsewhere in the Operator's Manual. It is the responsibility of the owner to ensure that *all* operators read and understand the Manual before they are allowed to operate the harvester. (*Occupational Safety and Health Administration (OSHA) regulation 1928.57.*)

Notices of Danger, Warning and Caution

Watch for these words on the harvester and in this Manual to alert you to important safety messages:



DANGER: Immediate and specific hazard which *will* result in severe personal injury or death if proper precautions are not taken.



WARNING: Specific hazard or unsafe practice *could* result in severe personal injury or death if proper precautions are not taken.



CAUTION: A reminder of good safety practices. Personal injury *could* result if proper procedures are not followed.



SAFETY GUIDELINES



CAUTION: Remember, a careful operator is the best insurance against an accident.



CAUTION: *Read and Understand* the Operator's Manual and all the safety decals before operating the harvester. Review all safety instructions with all operators annually.

Before Operating

- **Do not** wear loose fitting clothing as it may catch in moving parts.
- Make sure to install and/or secure all guards and shields, including the tractor power take-off master shield, before starting or operating the harvester.
- Be sure that the correct implement driveline parts are used and that they are properly secured.
- Install the safety-chain when attaching the harvester to the tractor.
- Clear the area of bystanders, especially children, when making repairs, adjustments or performing maintenance on the harvester.
- **Do not** allow riders.
- Put all tractor and machine controls in "neutral" and disengage the PTO before starting. Follow the starting instructions according to your tractor manual.
- Operate the harvester only while seated on the tractor seat.
- Make sure that unit is adequately supported with safety blocks or safety stands when changing tires or working on it.

During Operation

- Keep hands, feet, hair and clothing away from moving parts.
- Keep all shields and guards in place and in good repair.
- Keep all children and bystanders away from the harvester while in operation.
- **Do not** allow riders while the harvester is in operation.
- **Do not** attempt to unclog, clean or adjust the harvester while it is running

- Before servicing, adjusting, repairing or unplugging the harvester, stop the tractor engine, place all the controls in neutral, set the parking brake, remove the ignition key and wait for all moving parts to stop.
- Stay away from overhead power lines. Electrocution can occur even without direct contact.
- Keep all hydraulic lines, fittings, and couplers tight and free of leaks. (See the Hydraulic Safety section, below.)

Maintenance Safety

- Follow all operating, maintenance and safety instructions found in this Manual and Operator's Manual.
- Before servicing, adjusting, repairing or unplugging the harvester, stop the tractor engine, place all the controls in neutral, set the parking brake, remove the ignition key and wait for all moving parts to stop.
- Use only the tools, jacks and hoists that are of sufficient capacity for the job.
- Use support blocks or safety stands when changing tires or working under the machine.
- Follow good shop practices of keeping the service area clean and dry and use adequate light for the job at hand.
- Make sure all shields/guards are in place and properly secured when maintenance work is complete.

Hydraulic Safety

- Before applying pressure from the hydraulic system make sure all lines, fittings and couplers are tight and in good condition.
- Relieve pressure from the hydraulic circuit before servicing or disconnecting from the tractor.
- Replace any worn, cut, abraded, flattened or crimped hoses.
- **Do not** make any temporary repairs to the hydraulic lines, fittings or hoses by using tape, clamps or cement. The hydraulic system operates under extremely high pressure and temporary repairs may fail suddenly and create a hazardous situation.

NOTES

SAFETY GUIDELINES

- Wear proper hand and eye protection when searching for a high-pressure hydraulic leak. Use a piece of wood or cardboard as a backstop instead of hands to identify and isolate a leak. If injured by a concentrated high-pressure stream of hydraulic fluid, seek medical attention immediately. Serious infection or toxic reaction can develop if hydraulic fluid penetrates the surface of the skin.
- Before applying pressure to the system, make sure all components are tight and that the lines, hoses and couplings are not damaged.

Transportation Safety

- Be sure to comply with all local regulations regarding transporting equipment on public roads and highways.
- Make sure the Slow Moving Vehicle (SMV) emblem and all lights and reflectors required by local highway and transportation authorities are in place, clean and clearly visible to all oncoming or following traffic.
- *Do not* allow riders while transporting.
- Make sure the harvester is securely attached to the tractor and install a safety chain to the harvester, install a retainer through the drawbar pin and attach the safety chain.
- *Do not* fail to latch the tractor brake pedals together.
- *Do not* exceed 10 mph (16 km/h) when transporting the harvester. Always reduce speed on rough roads and surfaces, or when going down inclines.
- Drive slowly when turning and always use turn signals on the tractor to indicate your turning intentions to the other traffic.
- A dealer installed Road Light Kit is available. It includes warning lights that plug into your tractor's light connector. The red tail light will illuminate whenever the tractor road lights are turned on.
- The weight of the trailed machine should **NEVER** exceed the weight of the towing vehicle.
- Clearances carefully whenever the machine is

from overhead or side obstructions and during transport. Electrocution can occur from direct contact.

Storage Safety

- Store the harvester in an area away from human activity.
- *Do not* permit children to play on or around the stored machine.
- Park the harvester on level ground.

Tire Safety

- Have a qualified tire dealer or repair service perform tire repairs.
- *Do not* attempt to mount a tire unless you have the proper equipment and experience to do the job.
- Follow proper procedures when mounting a tire on a rim to prevent an explosion which could result in serious injury or death.
- *Do not* substitute tires of lesser road rating and capacity for the original equipment tires.



CAUTION: Failure to follow proper procedures when mounting a tire on a wheel or rim can produce an explosion which may result in serious injury or death. Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job. Have it done by your dealer or a qualified tire repair service.

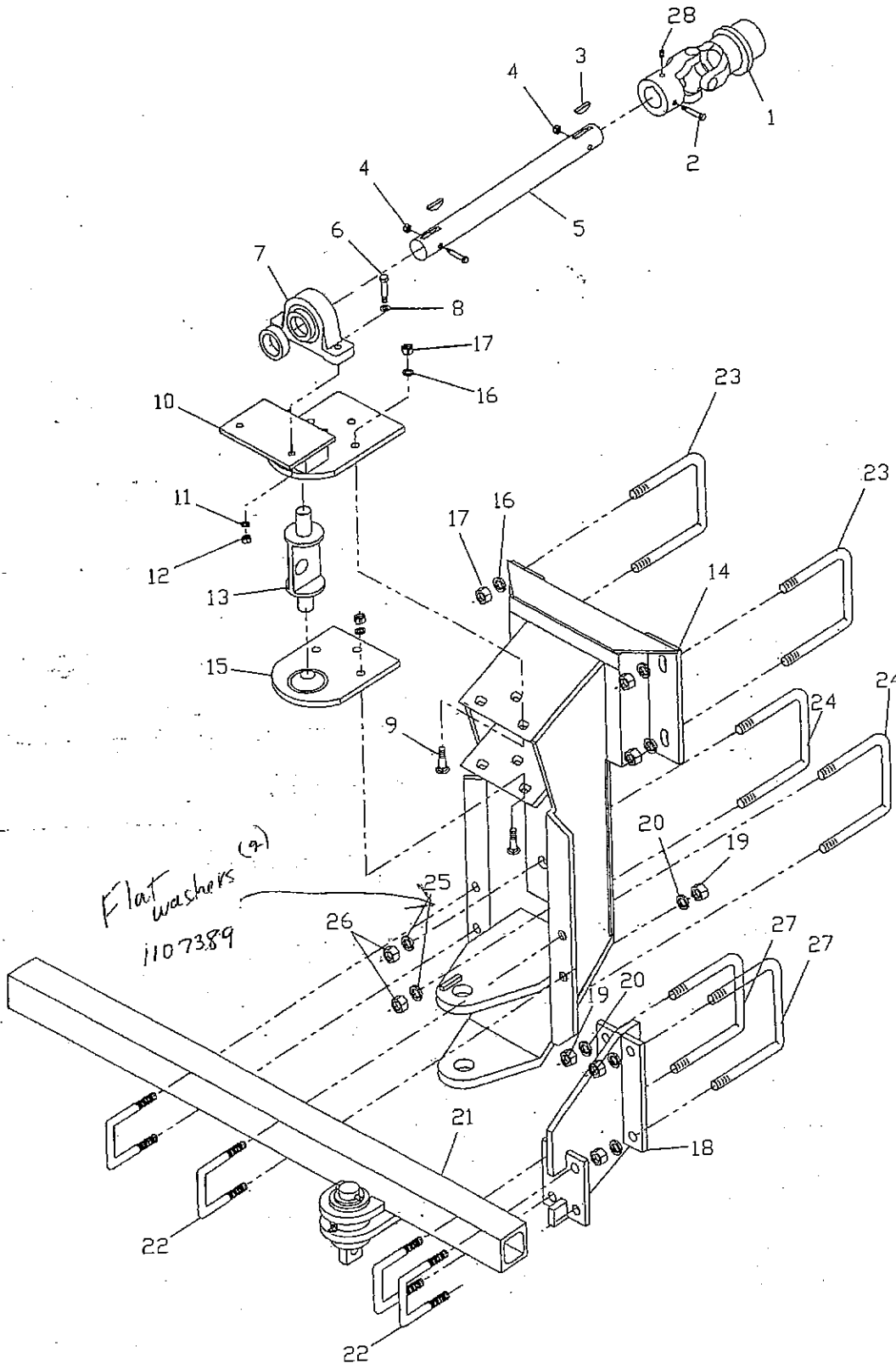
Assembly Safety

- Use adequate manpower to perform assembly procedures safely.
- Assemble the harvester in an area with sufficient space to maneuver the largest components and allow easy access to all sides of the machine.
- Use only forklifts, lift cranes, jacks and tools with sufficient capacity for the loads.
- *Do not* allow spectators in the working area.

Remember:

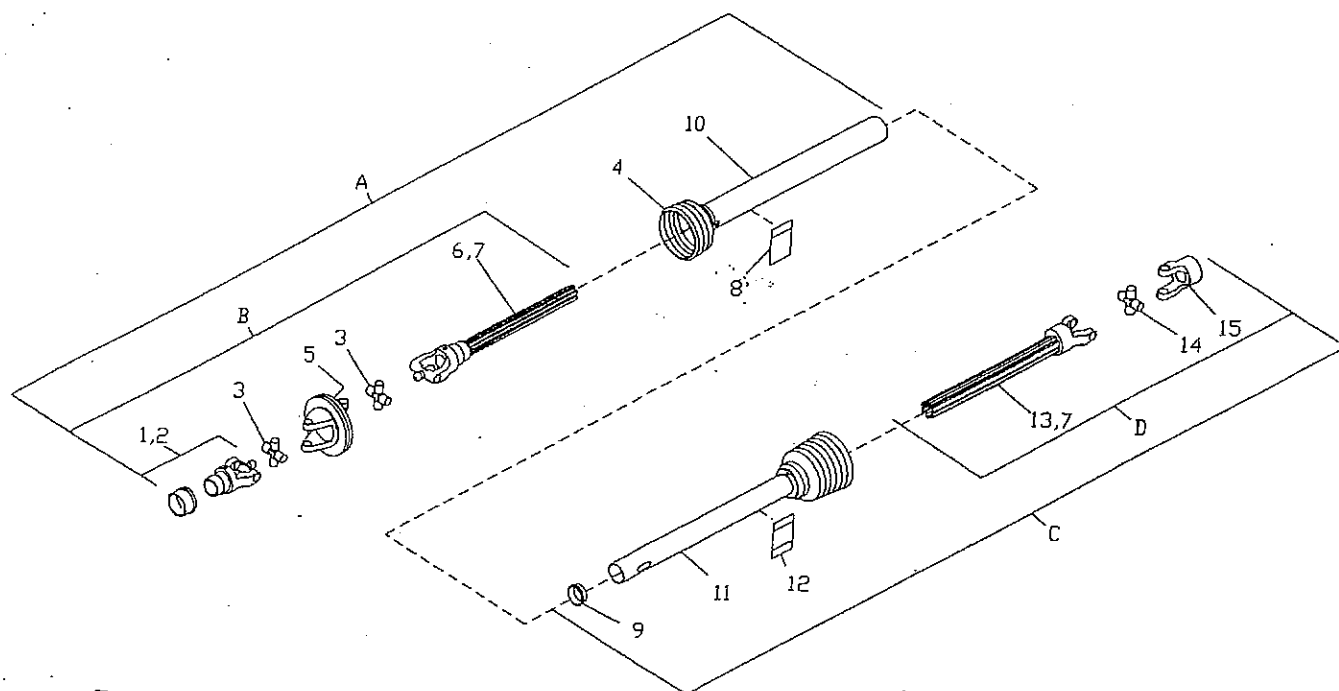
The Best Operator is a Safe Operator.

HITCH ASSEMBLY, BOLT ON - 432910



PTO ASSEMBLY, CONSTANT VELOCITY

466300 - 1-3/8", 466310 - 1-3/4"



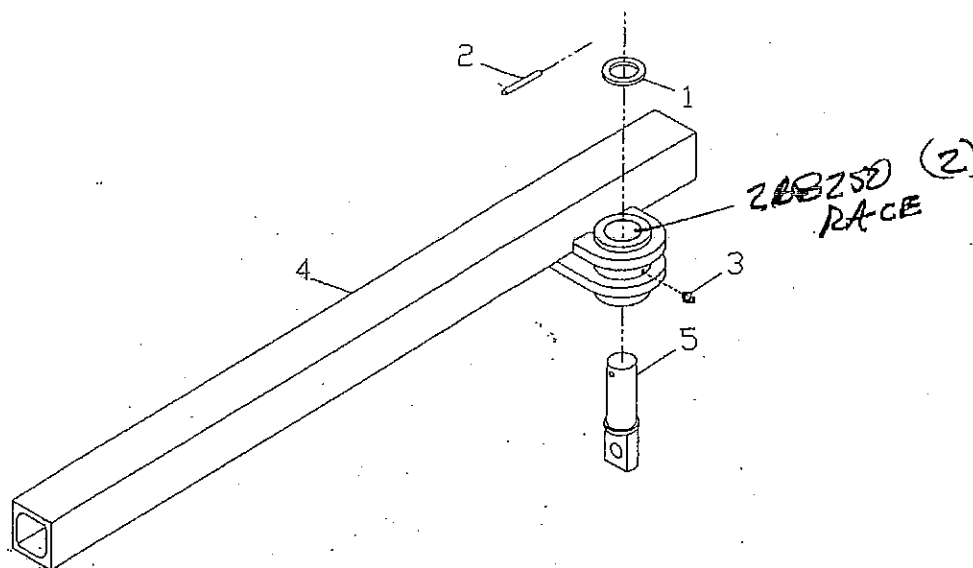
Item	Part Number	Qty.	Description
A	469610	1	Assembly, Joint and Shaft with Guard 1-3/8" PTO
A	469430	1	Assembly, Joint and Shaft with Guard 1-3/4" PTO
B	469620	1	Assembly, Joint and Shaft Half 1-3/8" PTO
B	469440	1	Assembly, Joint and Shaft Half 1-3/4" PTO
C	469450	1	Assembly, Joint and Tube Half with Guard
D	469460	1	Assembly, Joint and Tube Half
1	469470	1	Kit, Safety Slide Lock Repair
2	469630	1	Assembly, Safety Slide Lock Yoke 1-3/8" PTO
2	469480	1	Assembly, Safety Slide Lock Yoke 1-3/4" PTO
3	469490	1	Kit, Category 6 Cross & Bearing
4	469500	1	Extension, Bell with Nylon Centralizer
5	469510	1	Assembly, Center Housing
6	469530	1	Yoke & Shaft 1-3/8" PTO
6	469520	1	Yoke & Shaft 1-3/4" PTO
7	168100	2	Kit, Nylon Repair
8	469540	1	Sign, Safety
9	469550	1	Centralizer
10	469640	1	Guard, Outer 1-3/8" PTO
10	469560	1	Guard, Outer 1-3/4" PTO
11	469570	1	Guard, Inner
12	469580	1	Sign, Safety
13	469590	1	Yoke, Tube and Slip Sleeve
14	168060	1	Kit, Cross and Bearing 55R
15	469600	1	Yoke

HITCH ASSEMBLY, BOLT ON - 432910

Item	Part Number	Qty.	Description
1	439100	1	Joint, U 1-3/4" RB x 1-3/8"-21 Spline
2	I189304	2	Bolt, HHCS 3/8"-16 x 3-1/4"
3	231950	2	Key, Woodruff 3/8" x 2-3/4"
4	E552044	2	Nut, Lock 3/8"-16 Hex Top Grade A
5	432700	1	Shaft, 1-3/4" Dia. x 19-7/8"
6	023950	2	Bolt, HHCS 1/2"-13 x 2"
7	238420	1	Bearing, Pillow Block 1-3/4"
8	I20601R1	2	Washer, 1/2"
9	I441452R1	6	Bolt, Carriage 5/8" x 2"
10	437100	1	Weldment, Upper Cylinder Plate
11	005370	2	Washer, Lock 1/2"
12	005360	2	Nut, Hex 1/2"-13
13	431740	1	Pin, Cylinder Double
14	431960	1	Weldment, Bolt-on Hitch
15	437090	1	Weldment, Lower Cylinder Plate
16	020440	10	Washer, Lock 5/8" Regular x 1-5/64" x 5/32"
17	I124589	10	Nut, Hex 5/8"-11
18	432920	1	Weldment, Outer Brace
19	J14H794	12	Nut, Hex 3/4"-10
20	036800	12	Washer, Lock 3/4"
21	439080	1	Assembly, Rowfinder Cylinder Tube
22	246120	4	Bolt, U 3/4"-10 x 1-1/2" x 4-1/2" Threaded
23	286490	2	Bolt, U 5/8"-11 x 5-1/2" x 6"
24	460510	2	Bolt, U 1"-8 x 2" Rolled Thread
25	003350	4	Washer, Lock 1"
26	J14H805	4	Nut, Hex 1"-8
27	375070	1	Bolt, U 3/4"-10 x 6-3/4" x 7-1/16"
28	120970	1	Screw, HSSS 3/8"-16 x 1/2" KnCup
29	455540	2	Strap, Shim (Not Shown)

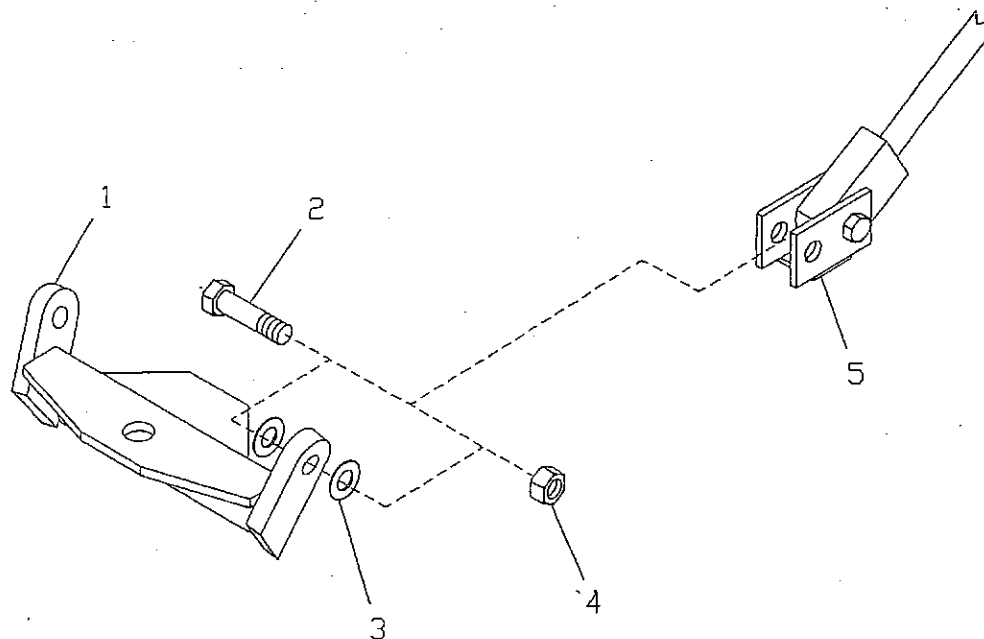
345910 - YOKE 3/2k
 182280 - CROSS KE
 354180 - YOKE 21

TUBE ASSEMBLY, ROWFINDER CYLINDER - 439080



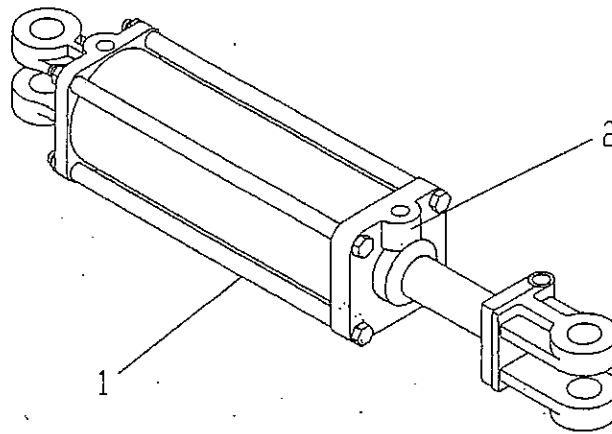
Item	Part Number	Qty.	Description
1	E126034	1	Bushing, Machined 1-7/8" x 2-7/8" 10 Gauge
2	E580057	1	Pin, Roll 3/8" x 2-1/2"
3	115590	1	Zerk, 1/4"-28 Taper Self-Tapping Straight
4	431980	1	Weldment, Rowfinder Tube
5	268240	1	Pin, Rowfinder Cylinder

DRAWBAR SUPPORT KIT, 3 POINT - 427490



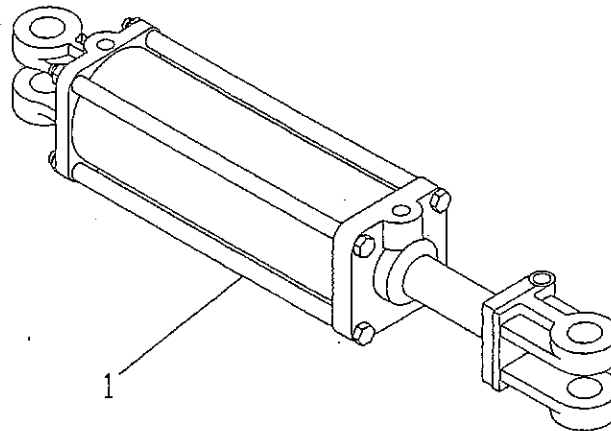
Item	Part Number	Qty.	Description
1	424300	1	Support, Drawbar
2	991060	4	Bolt, Hex 1"-8 x 5"
3	1107389	26	Washer, Flat 1"
4	990510	4	Nut, Lock 1"
5	424320	2	Weldment, Drawbar Support Bracket

LIFT CYLINDER 5" X 8" - 433800



Item	Part Number	Qty.	Description
1	463120P	1	Plug, Hydraulic Depth Control
2	456460P	1	Kit, Seal

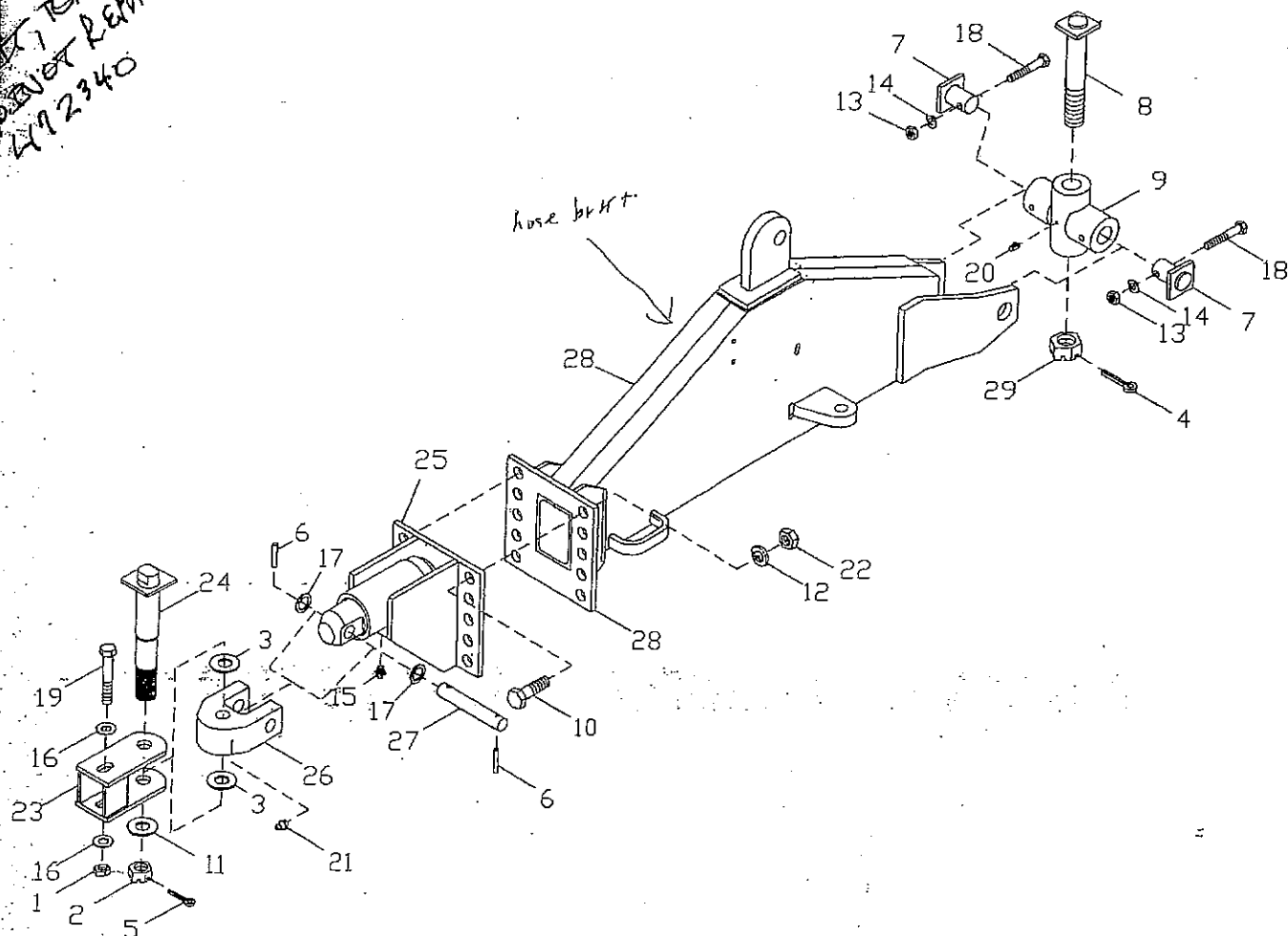
ROWFINDER CYLINDER 4" X 8" - 433810



Item	Part Number	Qty.	Description
1	472630P	1	Kit, Seal

TONGUE ASSEMBLY - 432800

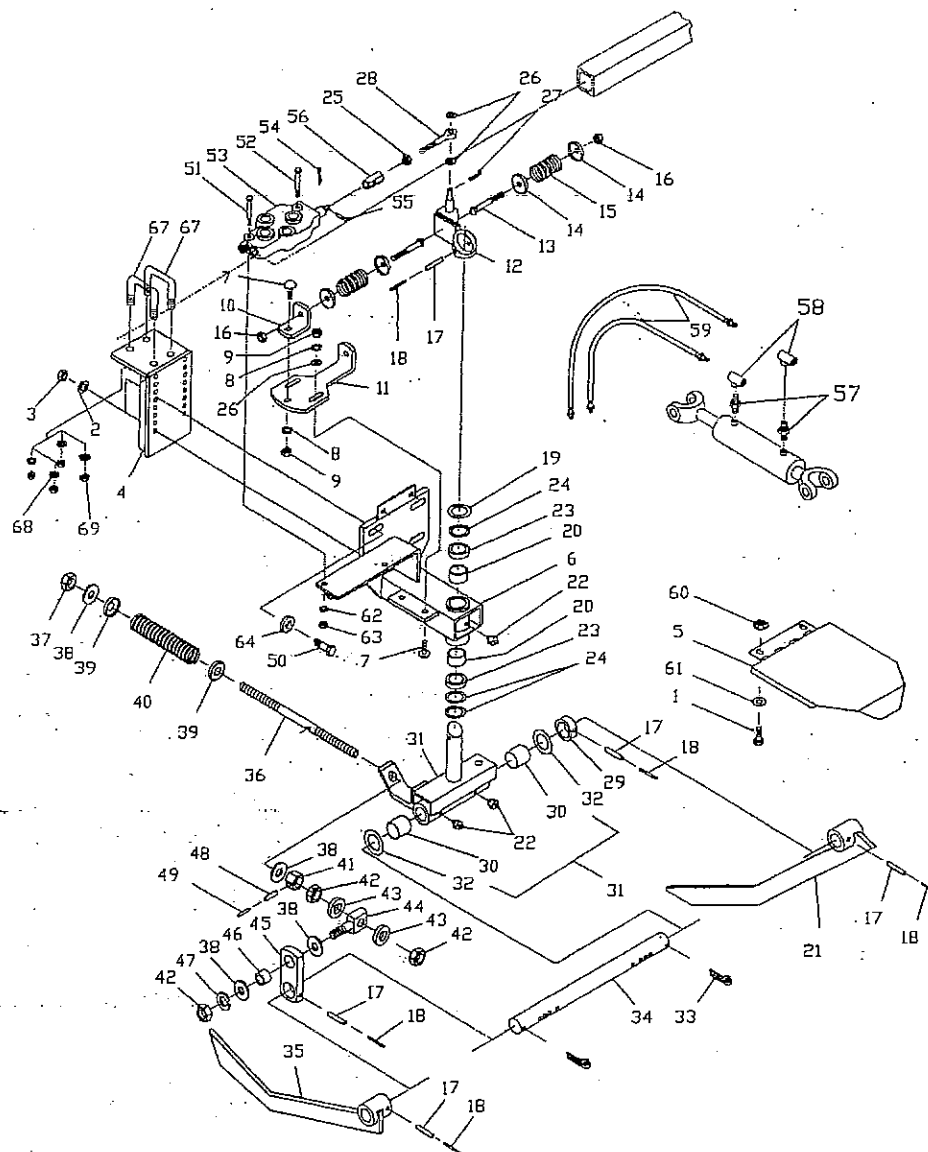
AT TONGUE
PIVOT REPAIR
492340



TONGUE ASSEMBLY - 432800

Item	Part Number	Qty.	Description
1	991040	1	Nut, Lock 3/4"-10 Hex Grade A
2	E552072	1	Nut, Hex 1-3/8"-6 Slotted Grade 8
3	425550	2	Washer, Hardened 1-9/16" x 3" x 1/4"
4	E580042	1	Pin, Cotter 3/16" x 3"
5	V063768	1	Pin, Cotter 1/4" x 3"
6	E580053	2	Pin, Roll 5/16" x 1-3/4"
7	E580086	2	Weldment, Side Pin
8	E580109	1	Weldment, Pin
9	E586014	1	Weldment, Pivot
10	E672103	6	Bolt, Hex 1"-8 x 2-1/2"
11	V063596	4	Washer, Flat 1-5/8" x 3" x 5/32"
12	003350	6	Washer, Lock 1"
13	005360	2	Nut, Hex 1/2"-13
14	005370	2	Washer, Lock 1/2"
15	013170	1	Zerk, 1/8"-27 NPT Short Grease
16	020720	2	Washer, Flat 13/16" x 1-3/4" x 11/64"
17	020650	2	Washer, Flat 1-9/64" x 1-5/8" x 9/64"
18	038560	2	Bolt, HHCS 1/2"-13 x 4"
19	991050	1	Bolt, HHCS 3/4"-10 x 8-1/2"
20	1100756	1	Zerk, 1/4"-28 90°
21	115590	1	Zerk, 1/4"-28 Taper Self-Tapping Straight
22	J14H805	6	Nut, Hex 1"-8
23	425500	1	Weldment, Drawbar Clevis 1-1/2" Bolt
24	439070	1	Weldment, Hitch Pin 1-3/8" x 6" x 9"
25	290120	1	Weldment, Front Hitch
26	425490	1	Clevis, Hitch 1-1/2" Bolt
27	252820	1	Pin, Hitch 1-1/8" x 6-15/16"
28	431970	1	Weldment, Tongue
29	E552084	1	Nut, Hex 1-1/2"-6 Slotted
30	E150004	2	hose brkt.
31	031020	2	3/8 x 5 1/2 bolt
32	E552044	2	3/8 L. nut.

HYDRAULIC ROWFINDER - 448040

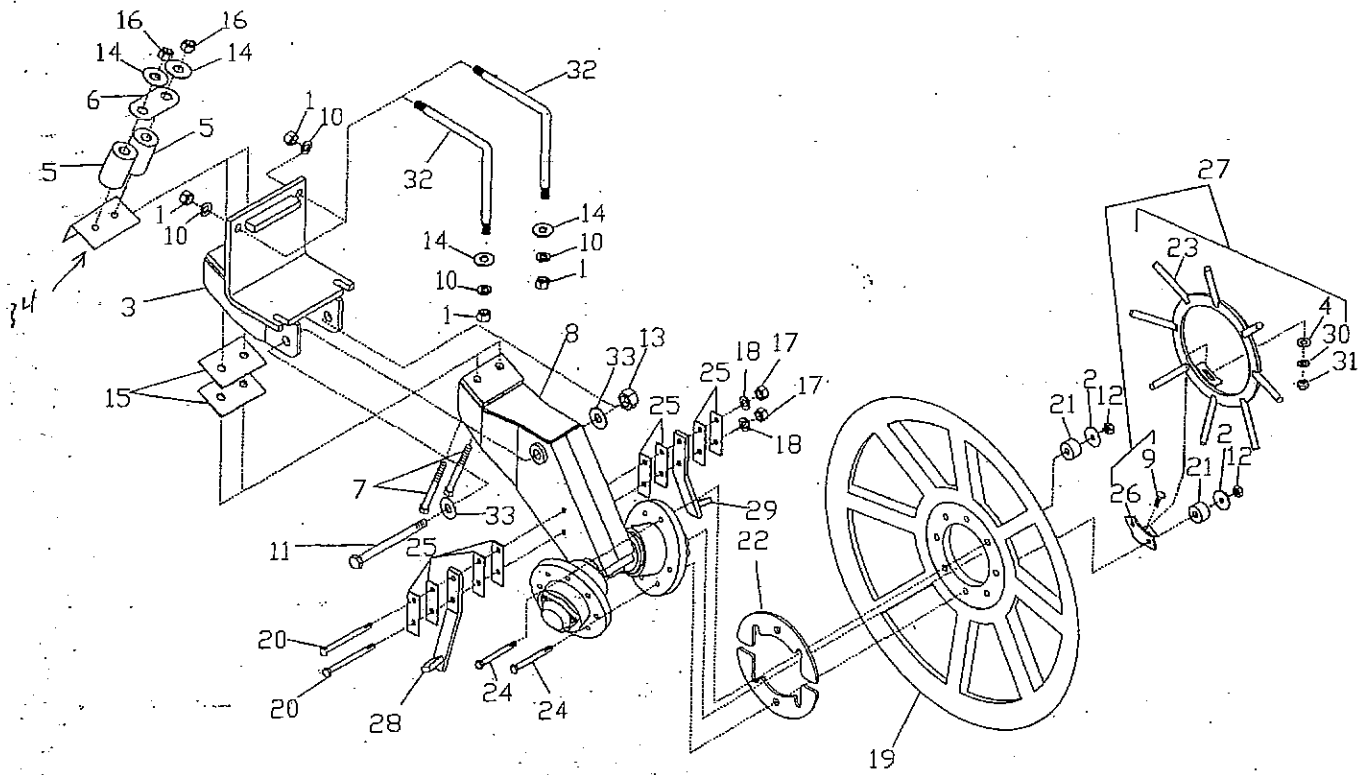


Item	Part Number	Qty.	Description
1	022420	-	Bolt, HHCS 3/8"-16 x 3/4"
2	005370	-	Washer, Lock 1/2"
3	005360	-	Nut, Hex 1/2"-13
4	447160	1	Weldment, Mounting Bracket
5	259620	1	Weldment, Rowfinder Shield
6	259510	1	Weldment, Frame Bracket
7	035180	-	Bolt, Carriage 3/8"-16 x 1-1/4"
8	021180	-	Washer, Lock 3/8" x 11/16" x 3/32"
9	027260	-	Nut, Hex 3/8"-16
10	JN145971	1	Bracket, Angle
11	JN145982	1	Bracket, Adjustment
12	259560	1	Weldment, Centering Arm
13	990820	-	Bolt, HHCS 3/8"-16 x 3"
14	JN73401	-	Washer, Cupped 13/32" x 1-9/16" x 1/4"
15	JCJ21FN	2	Spring, Compression 63/64" x 1-3/8 x 2"
16	073630	-	Nut, Lock 3/8"-16 Hex Nylon
17	E580053	-	Pin, Roll 5/16" x 1-3/4"
18	J34H288	-	Pin, Roll 3/16" x 1-3/4"

HYDRAULIC ROWFINDER - 448040

Item	Part Number	Qty.	Description
19	I22266R1		Washer, Flat 1-1/8" x 1-3/4" x 1/32"
20	JJD8813	2	Bearing, Needle 1-1/8" x 3/4" x 1-3/8"
21	JAN142149	1	Assembly, Sensor Left Hand
22	049180	-	Zerk, 1/4"-28 Tapered Thread Lube
23	JAT30144	2	Seal
24	I23041R1	-	Washer, Flat 1-5/32" x 1-1/2" x 16 Gauge
25	I124829	-	Nut, Hex 3/8"-16 Jam
26	I120394	-	Washer, Flat 13/32" x 13/16" x 3/64"
27	023090	-	Pin, Cotter 3/32" x 3/4"
28	JAN71924	1	Bolt, Eye 3/8" x 2" x 51/64" (413450)
29	JN145972	1	Bushing, 1-1/4" ID
30	JL1713C	2	Bushing, Shaft 1-1/4" x 1-3/8" Bronze
31	259590	1	Assembly, "T" Shaft
32	I608700R1	-	Washer, Flat 1 9/32 x 2 x 3/64
33	003950	-	Pin, Cotter 3/16" x 2"
34	JN145977	1	Shaft, Cross
35	JAN142148	1	Assembly, Sensor Right Hand
36	JN147175	1	Stud, Adjusting
37	JK40015	-	Nut, Lock 5/8"-11 Grade 8
38	J24H1373	-	Washer, Flat 21/32" x 1-9/16" x 3/16" NT
39	JN147036	-	Washer, Cupped 21/32" x 1-9/16" x 1/4"
40	J23096	1	Spring, Compression 1" x 1-3/8" x 6"
41	JN147174	1	Stop, Spring Compression
42	I124589	-	Nut, Hex 5/8"-11
43	J24H1367	-	Washer, Flat 21/32" x 1-1/4" x 1/4"
44	JN145970	-	Bolt, Eye 5/8"-11 x 2-19/32"
45	JN145981	1	Bracket, Spring
46	JN145980	-	Spacer
47	020440	-	Washer, Lock 5/8" Regular x 1-5/64" x 5/32"
48	1030808	-	Pin, Roll 5/16" x 1-1/4"
49	991100	-	Pin, Expansion 3/16" x 1-1/4"
50	1770500	-	Bolt, HHCS 1/2"-13 x 1-3/4"
51	009800	-	Bolt, HHCS 5/16"-18 x 2-1/2"
52	022910	-	Bolt, HHCS 5/16"-18 x 2-1/4"
53	343250	1	Assembly, Control Valve Open Center
53	JAN71922	-	Plug, Open Center (Not Shown)
53	JAN140006	-	Plug, Closed Center (Not Shown)
53	JAN103932	1	Kit, Row Finder Valve Seal (140409)
54	J11H230	-	Pin, Cotter 1/16" x 3/8"
55	JN73390	-	Pin, Valve
56	JN73405	1	Clevis, Valve
57	166250	2	Fitting, Hydraulic Nipple 1/2" NPT Hex Steel
58	166290	2	Adapter, Tee
59	259600	2	Hose, Hydraulic 3/8" x 79"
60	020180	-	Nut, Lock 3/8"-16 Hex Flange
61	021190	-	Washer, Flat 7/16" x 1" x 5/64"
62	023620	-	Washer, Lock 5/16"
63	023630	-	Nut, Hex 5/16"-18
64	005200	-	Washer, Flat 9/16" x 1-3/8" x 7/64"
65	403450	2	Hose, Hydraulic 3/8" x 54" 1/2"-14 NPTF Male
66	403470	4	Hose, Hydraulic 3/8" x 54" 3/4"-16 ORB Male
67	246120	2	Bolt, U 3/4"-10 x 1-1/2" x 4-1/2" Threaded
68	036800	4	Washer, Lock 3/4"
69	J14H794	4	Nut, Hex 3/4"-10

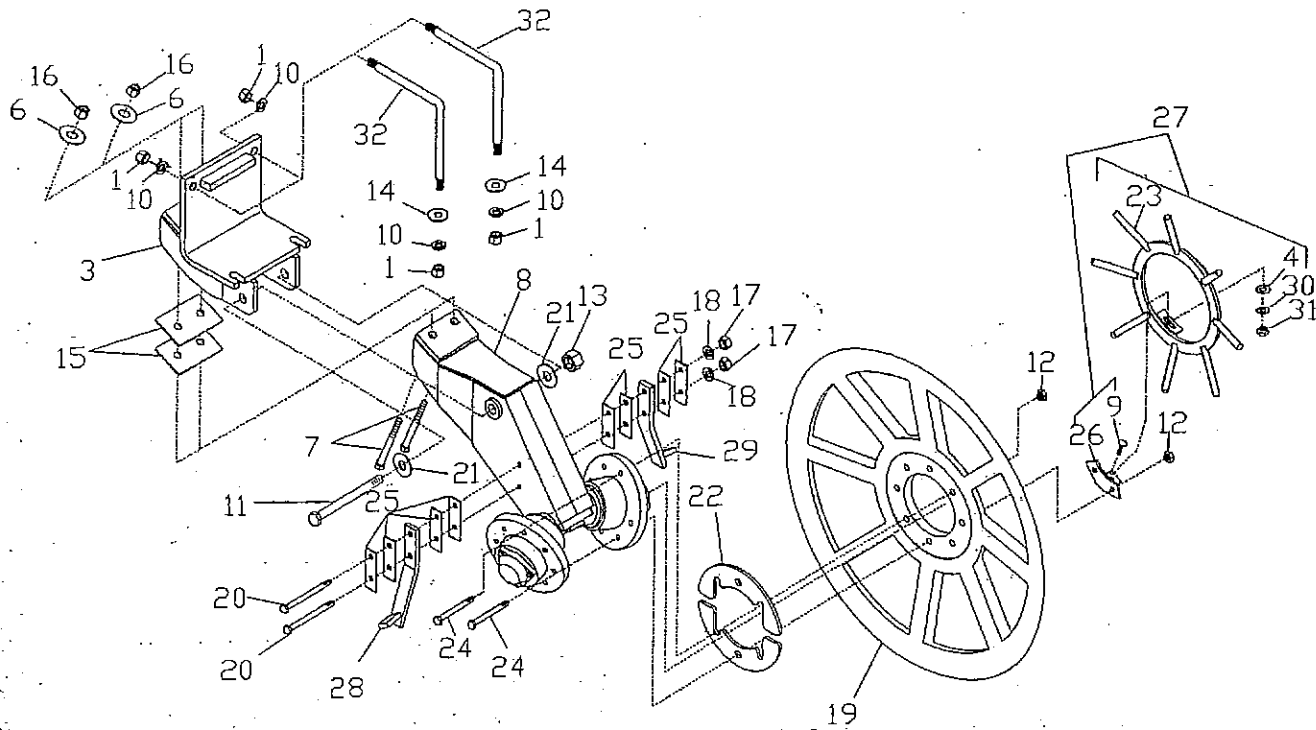
LIFT WHEEL ASSEMBLY, FLEX STRUT - 433100



LIFT WHEEL ASSEMBLY, FLEX STRUT - 433100

Item	Part Number	Qty.	Description
1	J14H794	4	Nut, Hex 3/4"-10
2	I486801R1	16	Washer, Flat 17/32" x 2" x 1/4"
3	431590	1	Weldment, Upper Pivot Flex Strut
4	021190	4	Washer, Flat 7/16" x 1" x 5/64"
5	433140	2	Pad, Flex
6	433150	1	Washer, Double Flat 13/16" x 2-1/2" x 5-1/2" x 3/8"
7	990990	2	Bolt, HHCS 3/4"-10 x 7"
8	433110	1	Assembly, Flexible Pivot Strut
9	035180	4	Bolt, Carriage 3/8"-16 x 1-1/4"
10	036800	4	Washer, Lock 3/4"
11	458530	1	Bolt, HHCS 1"-8 x 9" Grade 8
12	127890	16	Nut, Lock 1/2"-13 Hex
13	1110440	1	Nut, Lock 1"-8 Hex with Nylon Insert
14	J24H1401	4	Washer, Flat 25/32" x 1-3/4" x 3/16"
15	436800	2	Shim, Pivot Flex Strut
16	1100238	2	Nut, Lock 3/4"-10 Hex LT Reg Nylon
17	005360	2	Nut, Hex 1/2"-13
18	005370	2	Washer, Lock 1/2"
19	344430	2	Wheel, Lifter 1.6 Machined
20	E672313	2	Bolt, HHCS 1/2"-13 x 6-1/2"
21	267710	16	Pad, Flex 1"
22	268570	8	Spacer, Beet Wheel
23	463350	2	Closeup, Lifter Wheel
24	340300	12	Bolt, HHCS 1/2"-13 x 4-1/4"
24	030420	4	Bolt, HHCS 1/2"-13 x 4-1/2"
25	437300	8	Shim, Spacer 1-1/2" x 4-1/2"
26	463370	4	Bracket, Mounting Close-Up Flex
27	463340	1	Kit, Close-Up Flex Strut
28	437280	1	Weldment, Scraper Left Hand
29	437290	1	Weldment, Scraper Right Hand
30	021180	4	Washer, Lock 3/8" x 11/16" x 3/32"
31	027260	4	Nut, Hex 3/8"-16
32	403860	2	Bolt, L 3/4" x 6-7/8" x 8-3/4"
33	990720	2	Washer, Flat 1-1/16" x 2-1/2" x 5/32"
34	458950	1	Shield, Pivot Strut

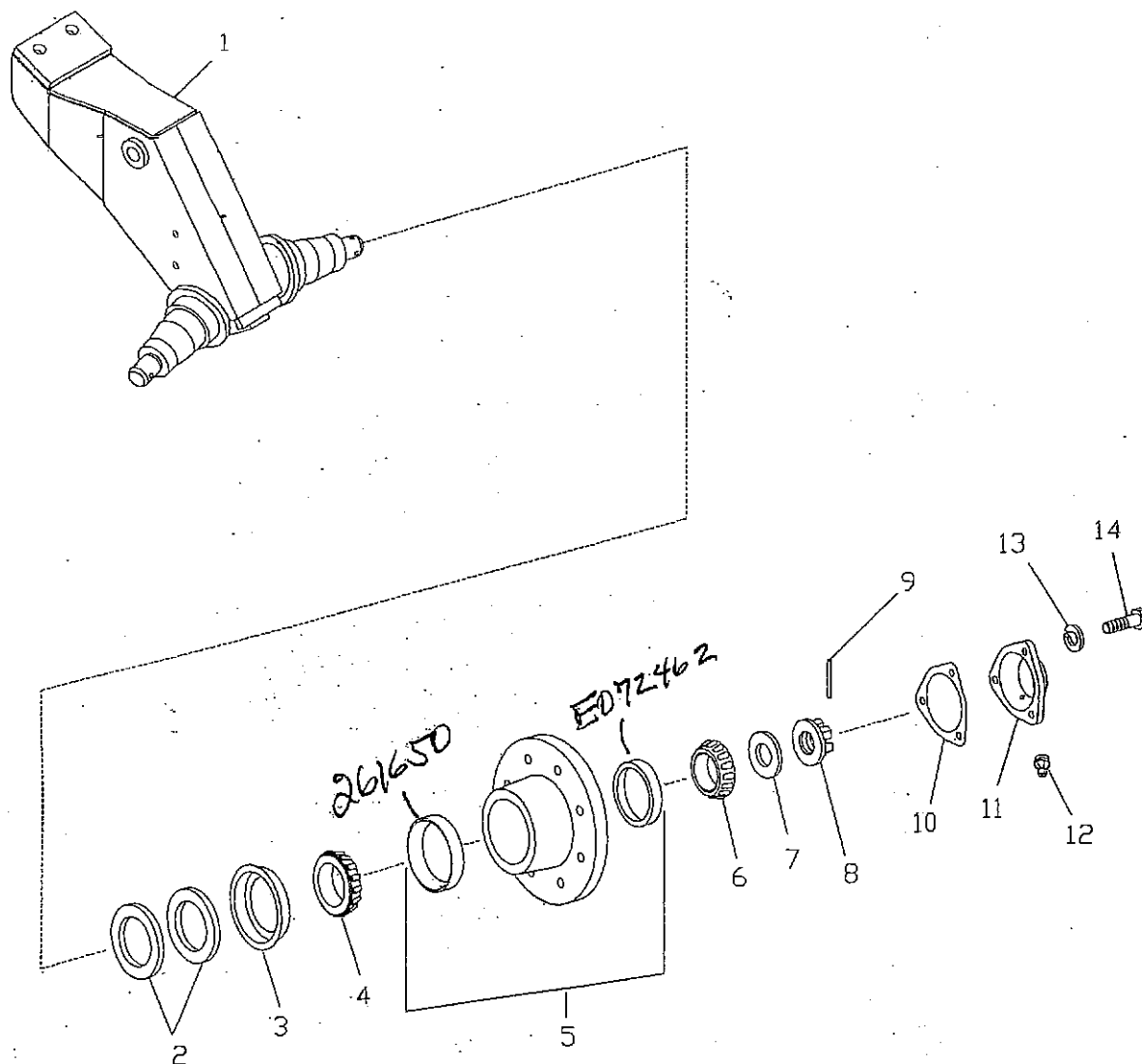
LIFT WHEEL ASSEMBLY, FIXED STRUT - 438720



LIFT WHEEL ASSEMBLY, FIXED STRUT - 438720

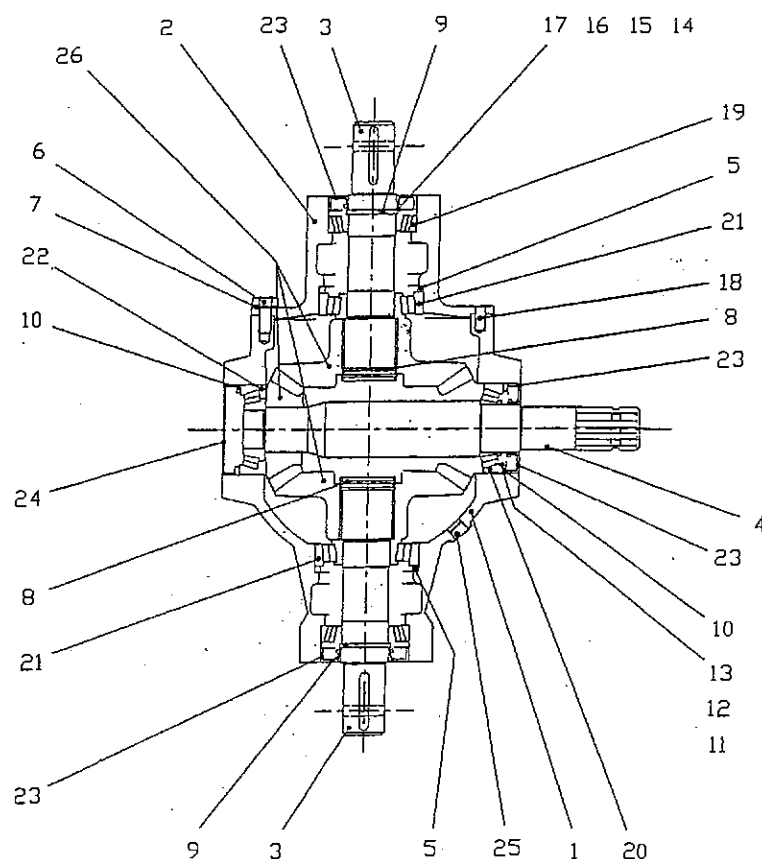
Item	Part Number	Qty.	Description
1	J14H794	4	Nut, Hex 3/4"-10
2	-	-	-
3	431590	1	Weldment, Upper Pivot Flex Strut
4	021190	4	Washer, Flat 7/16" x 1" x 5/64"
5	-	-	-
6	I131017	2	Washer, Flat 13/16" x 1-29/64" x 7/64"
7	990570	2	Bolt, HHCS 3/4"-10 x 3"
8	433110	1	Assembly, Flexible Pivot Strut
9	035180	4	Bolt, Carriage 3/8"-16 x 1-1/4"
10	036800	4	Washer, Lock 3/4"
11	458530	1	Bolt, HHCS 1"-8 x 9" Grade 8
12	127890	16	Nut, Lock 1/2"-13 Hex
13	1110440	1	Nut, Lock 1"-8 Hex with Nylon Insert
14	J24H1401	2	Washer, Flat 25/32" x 1-3/4" x 3/16"
15	436800	2	Shim, Pivot Flex Strut
16	1100238	2	Nut, Lock 3/4"-10 Hex LT Reg Nylon
17	005360	2	Nut, Hex 1/2"-13
18	005370	2	Washer, Lock 1/2"
19	344430	2	Wheel, Lifter 1.6 Machined
20	E672313	2	Bolt, HHCS 1/2"-13 x 6-1/2"
21	990720	2	Washer, Flat 1-1/16" x 2-1/2" x 5/32"
22	268570	8	Spacer, Beet Wheel
23	463350	2	Closeup, Lifter Wheel
24	031580	16	Bolt, HHCS 1/2"-13 x 2-3/4"
24	990840	8	Bolt, HHCS 1/2"-13 x 3"
25	437300	8	Shim, Spacer 1-1/2" x 4-1/2"
26	463370	4	Bracket, Mounting Close-Up Flex
27	463340	1	Kit, Close-Up Flex Strut
28	437280	1	Weldment, Scraper Left Hand
29	437290	1	Weldment, Scraper Right Hand
30	021180	4	Washer, Lock 3/8" x 11/16" x 3/32"
31	027260	4	Nut, Hex 3/8"-16
32	403860	2	Bolt, L 3/4" x 6-7/8" x 8-3/4"

STRUT ASSEMBLY, PIVOT FLEX - 433110



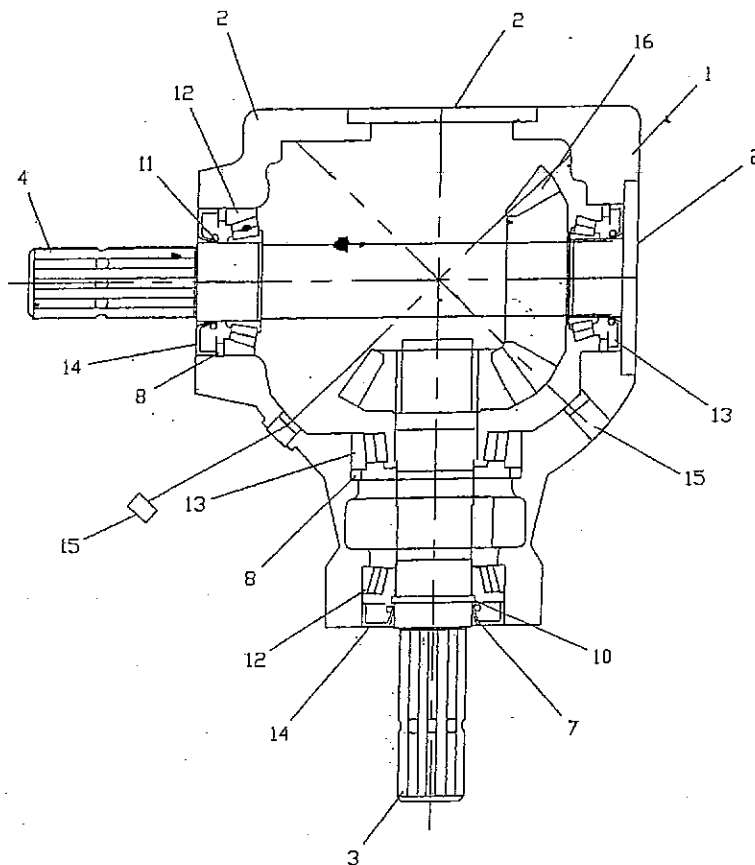
Item	Part Number	Qty.	Description
1	458860	1	Weldment, Pivot Flex Strut
2	263170	4	Washer, Felt 2-3/4" x 3-15/16" x 3/8"
3	263160	2	Retainer, Felt
4	261640	2	Bearing, Cone TM#28985 2-3/8" ID
5	267430	2	Assembly, Strut Hub with Caps
6	184960	2	Bearing, Cone TM#368 2" ID
7	E829036	2	Washer, 1-5/16" x 2-1/2" x 5/32"
8	340320	2	Nut, Hex 1-1/4"-12 Slotted Flange Grade 8
9	013600	2	Pin, Roll 1/4" x 2"
10	JN70509	2	Gasket, Hub
11	JN72550	2	Cap, Lifter Wheel Hub
12	JJD7798	2	Fitting, Special Taper Dr. 1/8"-27 Threaded
13	021180	6	Washer, Lock 3/8" x 11/16" x 3/32"
14	012260	6	Bolt, HHCS 3/8"-16 x 1"
15	962350	1.4	Grease, Special - lbs (Mobel)

GEARBOX, MAIN 1.93:1, 2150 - 286580



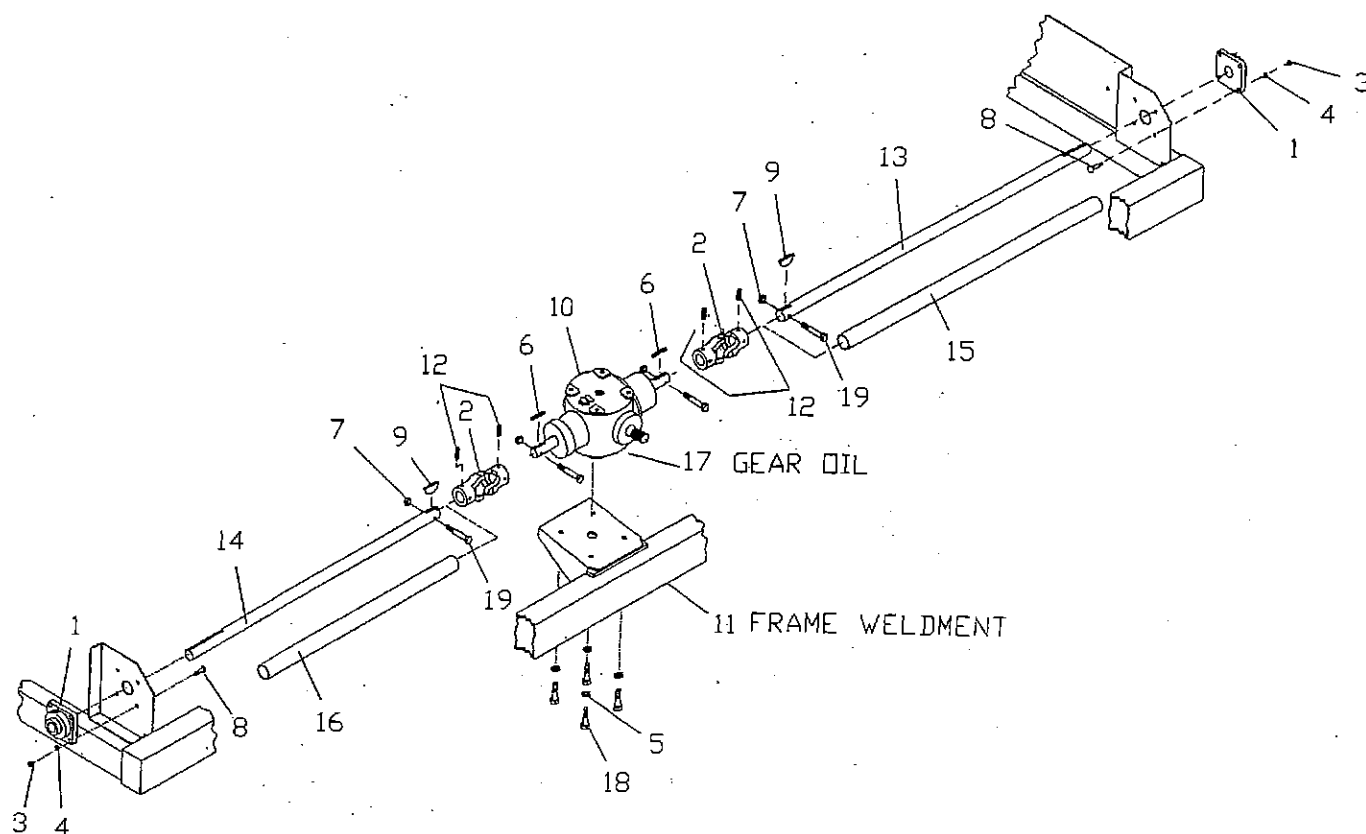
Item	Part Number	Qty.	Description
1	-	1	Housing, S2150
2	364490	1	Cap, Housing End S2150
3	377890	1	Shaft, S2150-21
4	377900	2	Shaft, S2150 1-3/4" Dia.
5	377910	2	Spacer, 96 mm x 110 mm x 4.75 mm
6	-	8	Bolt, HHCS 3/8-16
7	-	8	Washer, Lock 3/8
8	377920	2	Ring, Snap External E60 DIN471
9	364510	2	Ring, Snap External E50 DIN471
10	364520	2	Ring, Snap Internal I90 DIN472
11	365410	1	Spacers, Bag Assorted 50.2 mm x 59.8 mm x .03 mm S2150
12	365410	1	Spacers, Bag Assorted 50.2 mm x 59.8 mm x .03 mm S2150
13	365410	1	Spacers, Bag Assorted 50.2 mm x 59.8 mm x .03 mm S2150
14	365410	1	Spacers, Bag Assorted 50.2 mm x 59.8 mm x .03 mm S2150
15	365410	1	Spacers, Bag Assorted 50.2 mm x 59.8 mm x .03 mm S2150
16	365410	1	Spacers, Bag Assorted 50.2 mm x 59.8 mm x .03 mm S2150
17	365410	1	Spacers, Bag Assorted 50.2 mm x 59.8 mm x .03 mm S2150
18	-	2	Pin, Deep Well
19	364530	2	Bearing, TR#30210 50 mm x 90 mm x 21.75 mm
20	364550	2	Bearing, TR#30310 50 mm x 110 mm x 29.25 mm
21	377940	2	Bearing, TR#30308 40 mm x 90 mm x 25.25 mm
22	364560	2	Seal, Double Lip Oil, 50 mm x 90 mm x 10 mm
23	377950	1	Seal, Double Lip Oil, 40 mm x 90 mm x 10 mm
24	377960	1	Cap, Oil Seal 90 mm x 10 mm
25	365490	3	Plug, Pipe 3/8"-18 NPTF (P96969)
26	377970	1	Gear, Set R=.52

GEARBOX, SIDE - 431200



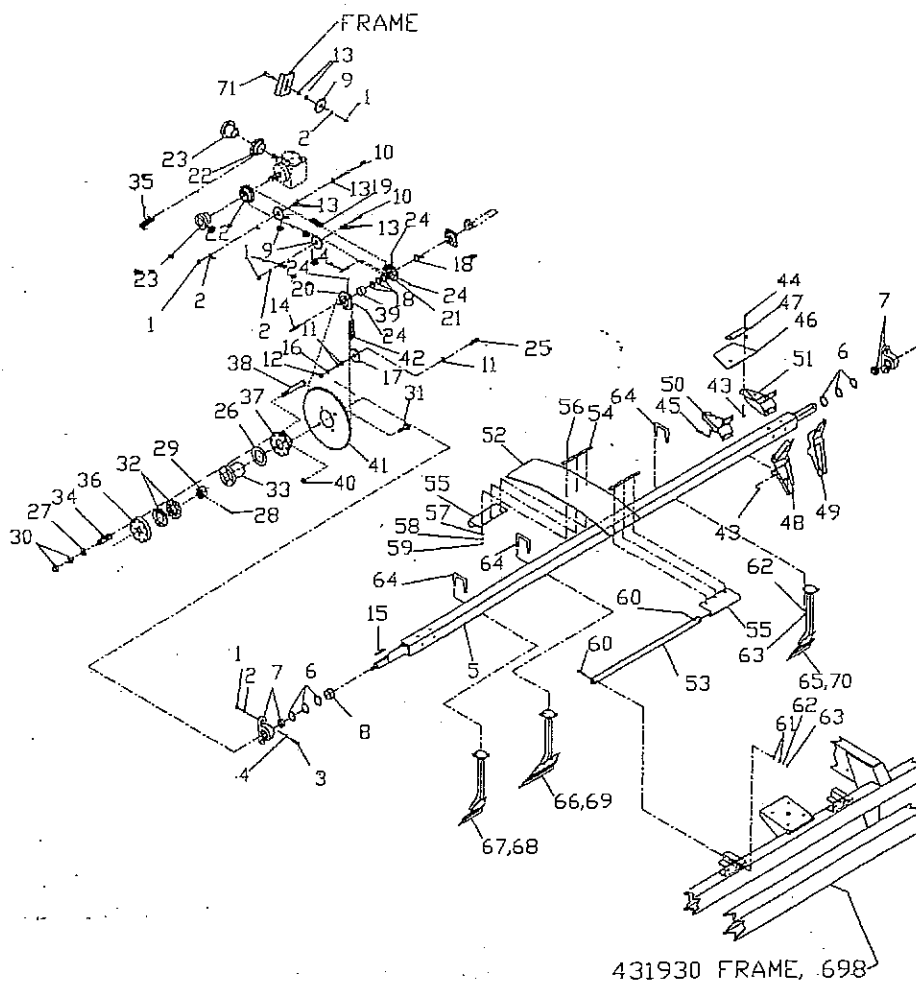
Item	Part Number	Qty.	Description
1	364790	1	Housing, S2030
2	-	1	End Cap, Housing S2030
3	-	2	Shaft, S2030
4	-	1	Shaft, S2030
5	-	4	Bolt, UNC 3/8-16
6	-	4	Washer, Lock 3/8
7	364820	2	Ring, External Snap E35 DIN471
8	364830	6	Ring, Internal Snap I72 DIN472
9	364730	2	Ring, External Snap E40 DIN471
10	365470	-	Spacers, Bag Assorted S2030
11	365480	-	Spacer, Bag Assorted (365470)
12	364840	3	Bearing, Ball 6207 35mm x 72mm x 17mm
13	364850	3	Bearing, TR#30207 35 mm x 72 mm x 18.25 mm
14	364860	4	Seal, Double Lip Oil 35 mm x 72 mm x 10 mm
15	365490	4	Plug, Pipe 3/8"-18 NPTF (P96969)
16	364870	1	Gear, Set R=1.00 Set of 3 1:1

FRONT GEARBOX & SHAFT - 462830



Item	Part Number	Qty.	Description
1	E072489	2	Bearing, Flange 1-3/4" 4 Bolt
2	E823023	2	Joint, Universal 35N 1-3/4" x 1-3/4"
3	005360	8	Nut, Hex 1/2"-13
4	005370	8	Washer, Lock 1/2"
5	020440	4	Washer, Lock 5/8" Regular x 1-5/64" x 5/32"
6	021530	2	Key, Square 3/8" x 2"
7	073630	4	Nut, Lock 3/8"-16 Hex Nylon
8	156850	8	Bolt, Carriage 1/2"-13 x 1-1/2"
9	231950	2	Key, Woodruff 3/8" x 2-3/4"
10	286580	1	Gearbox, Main 1.93:1
11	431930	1	Weldment, Main Frame 698
12	120970	4	Screw, HSSS 3/8"-16 x 1/2" K1 Cup
13	433190	1	Shaft, Drive 1-3/4" x 67" Left Hand
14	433200	1	Shaft, Drive 1-3/4" x 62" Right Hand
15	404930	1	Shield, Spin 2-25/64" OD x 50-1/2"
16	442640	1	Shield, Spin 45-11/16"L
17	963130	1.25	Oil, 90w Gear SAE
18	990600	4	Bolt, HHCS 5/8"-11 x 1-1/4"
19	991150	4	Bolt, HHCS 3/8"-16 x 4"

PADDLE SHAFT, BARRIERS & COVERS - 449280



Item	Part Number	Qty.	Description
1	I124589	6	Nut, Hex 5/8"-11
2	020440	6	Washer, Lock 5/8" Regular x 1-5/64" x 5/32"
3	023110	4	Bolt, HHCS 5/8"-11 x 2-1/2"
4	035210	4	Washer, Flat 21/32" x 1-5/16" x 3/32"
5	426780	1	Weldment, Paddle Drive Shaft 9420
6	396120	14	Bushing, Machined 2-1/32" x 3" x 10 Gauge
7	E072358	2	Bearing, Pillow Block 2" Cast Housing with Lock Collar
8	236400	1	Spacer, Black Pipe 2" x 1-1/8" Long
9	E366013	3	Sprocket, Idler 60B13 with 5/8" Bearing
10	I271729	2	Bolt, HHCS 5/8"-11 x 3-1/2"
11	I131017	3	Washer, Flat 13/16" x 1-29/64" x 7/64"
12	J14H794	1	Nut, Hex 3/4"-10
13	020430	16	Washer, Flat 11/16" x 1-3/4" x 9/64"
14	013510	2	Key, Square 3/8" x 1-1/4"
15	030380	1	Key, Square 3/8" x 3"
16	036800	1	Washer, Lock 3/4"
17	240550	1	Sprocket, Idler 80-12 Teeth with Washer
18	446490	5	Bushing, Machined 2-1/2" OD x 1-3/4" ID x 9/64"
19	265820	1	Chain, #60H Roller x 134 Pitches
20	460740	1	Sprocket, 80B20 1-3/4" Bore - 3/8" Keyway
21	433180	1	Sprocket, 60B21 1-3/4" Bore
22	E740265	2	Sprocket, 60Q20
23	235110	2	Bushing, Split Taper Q1 1-3/8" 6B
24	120970	4	Screw, HSSS 3/8"-16 x 1/2" KnCup

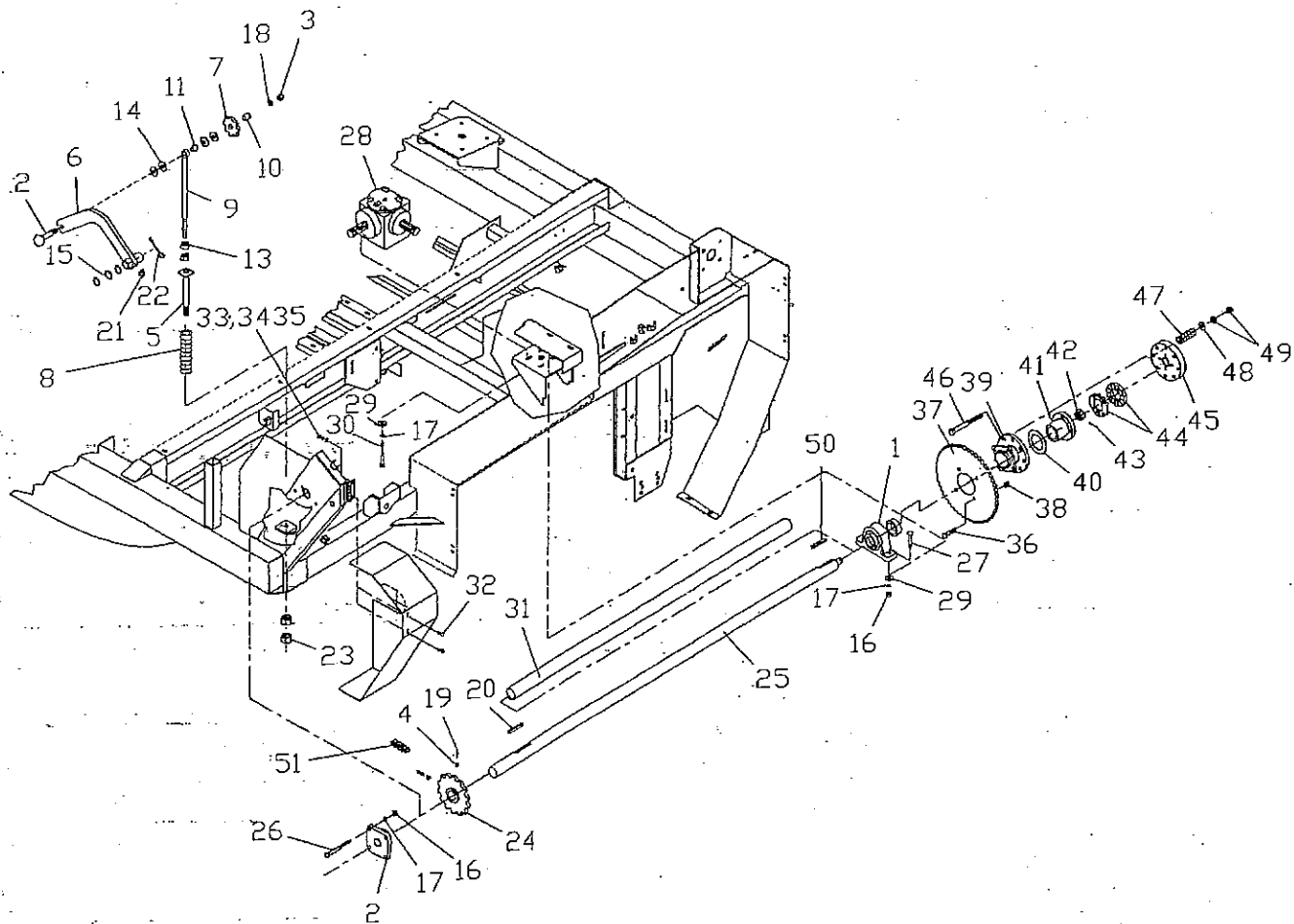
PADDLE SHAFT, BARRIERS & COVERS - 449280

Item	Part Number	Qty.	Description
25	990860	1	Bolt, HHCS 3/4" x 2-3/4"
26	E126201	1	Bushing, Machined 2-1/2" x 3-7/8" x 9/64"
27	I25547R1	6	Washer, Flat 21/32" x 1-5/16" x 3/16" PHC
28	040900	1	Pin, Roll 3/16" x 1-5/8"
29	042110	1	Nut, Hex 1"-14 Slotted
30	1121555	12	Nut, Hex 5/8"-11 Jam
31	1770500	4	Bolt, HHCS 1/2"-13 x 1-3/4"
32	225040	2	Jaw, Clutch Hardened Slip
33	238430	1	Weldment, Slip Clutch Hub
34	239080	6	Spring, Compression Slip Clutch
35	433160	1	Chain, #60H Roller x 87 Pitches
36	411260	1	Flange, Spring Clutch
37	411410	1	Assembly, Clutch Housing B126199 BRASS BUSHING
38	201660	6	Bolt, HHCS 5/8"-11 x 6"
39	455520	1	Spacer, Shaft
40	I9413967	4	Nut, Lock 1/2"-13 Hex CAD 2-way Plated
41	432690	1	Sprocket, Plate #80 Roller Chain 60 Teeth
42	462400	1	Chain, Roller #80Hx 96 Pitches

Paddle Assemblies

Item	Part Number	4Row Qty.	6 Row Qty.	Description
43	I9413967	56	84	Nut, Lock 1/2"-13 Hex CAD 2-way Plated
44	014770	24	36	Bolt, HHCS 1/2"-13 x 1-1/2"
45	023950	32	48	Bolt, HHCS 1/2"-13 x 2"
46	248800	12	18	Paddle, Rubber
47	273280	12	18	Strap, Paddle 1/8" x 2" x 7-3/4"
48	354220	4	6	Weldment, Double Paddle Right Hand
49	354230	4	6	Weldment, Double Paddle Left Hand
50	354240	4	6	Weldment, Single Paddle Right Hand
51	354250	4	6	Weldment, Single Paddle Left Hand
52	462390	4	6	Cover, Rubber
53	443110	3	3	Tube, Flap Cover
54	443060	8	12	Strap, Cover Holder
55	433910	8	12	Holder, Cover Front
56	030030	24	36	Bolt, HHCS 5/16"-18 x 1-1/4"
57	022920	24	36	Washer, Flat 3/8" x 7/8" x 5/64"
58	023620	24	36	Washer, Lock 5/16"
59	023630	24	36	Nut, Hex 5/16"-18
60	038560	6	6	Bolt, HHCS 1/2"-13 x 4"
61	005200	12	12	Washer, Flat 9/16" x 1-3/8" x 7/64"
62	005370	26	34	Washer, Lock 1/2"
63	005360	26	34	Nut, Hex 1/2"-13
64	290890	10	14	Bolt, U 1/2"-13 x 2-1/16" x 3"
65	446280	-	1	Assembly, Barrier 6 Row Left Hand
66	446320	-	5	Assembly, Barrier 6 Row Center
67	446360	-	1	Assembly, Barrier 6 Row Right Hand
68	446290	1	-	Assembly, Barrier, 4 Row Right Hand
69	446330	3	-	Assembly, Barrier 4 Row Center
	446300	1	-	Assembly, Barrier 4 Row Left Hand
	442240	1	1	Bolt, Carriage 5/8"-11 x 2-1/2"

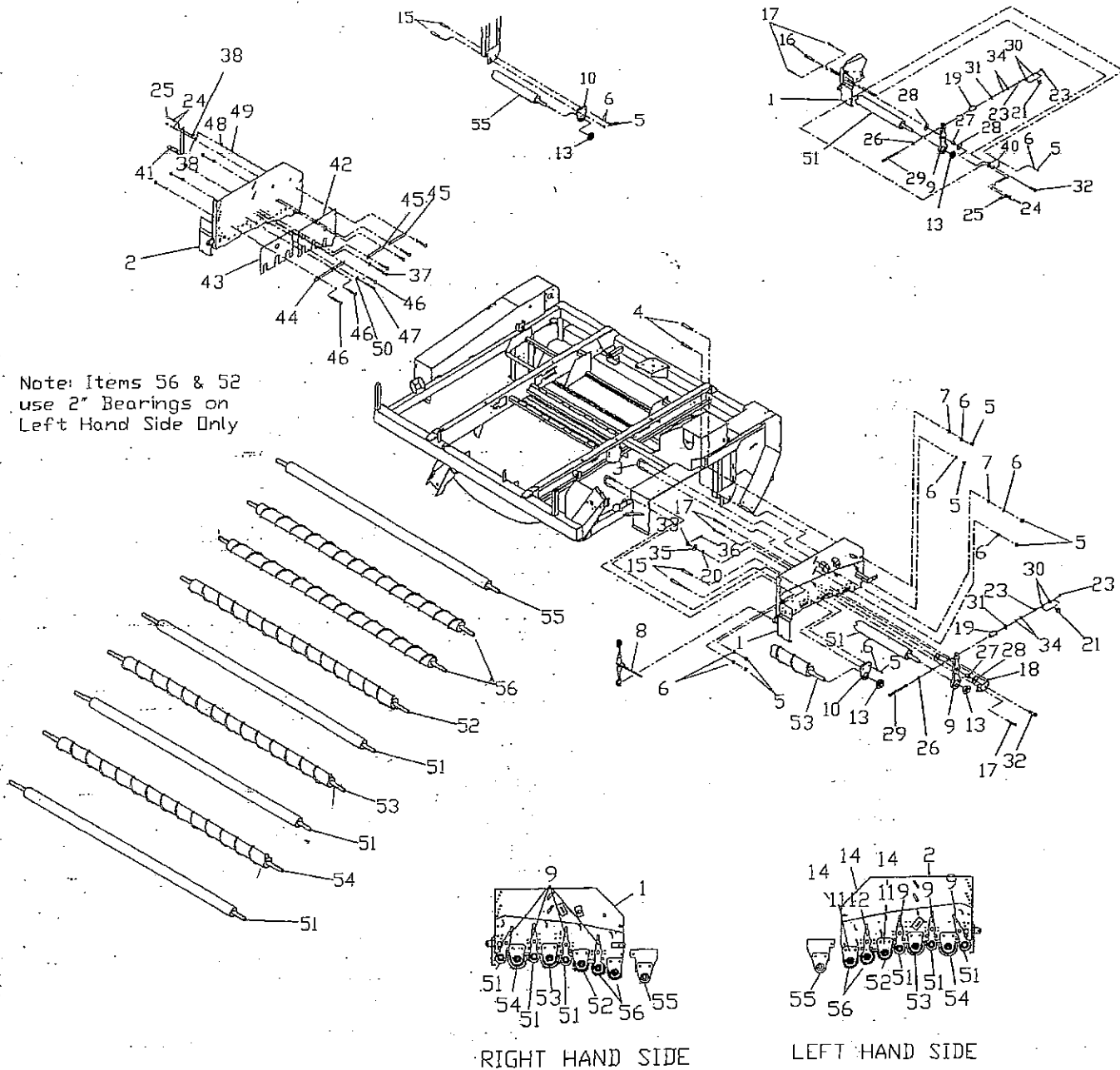
FERRIS WHEEL DRIVE - 462850



FERRIS WHEEL DRIVE - 462850

Item	Part Number	Qty.	Description
1	238420	1	Bearing, Pillow Block 1-3/4"
2	E072489	1	Bearing, Flange 1-3/4" 4 Bolt
3	I124589	1	Nut, Hex 5/8"-11
4	I124829	2	Nut, Hex 3/8"-16 Jam
5	JAN142300	1	Assembly, Spring Adjustment Tube
6	460290	1	Weldment, Pivot Arm
7	JAN142341	1	Sprocket Assembly, 8 Teeth CA550
8	JN109877	1	Spring, Compression 1-1/8" x 1-27/32" x 23/64" x 7-51/64"
9	JN146355	1	Bolt, Eye 3/4"-10 x 14-1/2"
10	JN147291	1	Bushing, 7/8" x 21/32" x 5/8"
11	JN7205DN	1	Spacer
12	J03H1858	1	Bolt, Carriage 5/8"-11 x 3-1/2"
13	J14H794	2	Nut, Hex 3/4"-10
14	J24H1373	4	Washer, Flat 21/32" x 1-9/16" x 3/16" NT
15	003370	6	Washer, Flat 1-1/32" x 1-1/2" x 3/64"
16	005360	6	Nut, Hex 1/2"-13
17	005370	6	Washer, Lock 1/2"
18	020440	1	Washer, Lock 5/8" Regular x 1-5/64" x 5/32"
19	022520	2	Screw, SSHS 3/8"-16 x 1" Cup PT BLO
20	030380	1	Key, Square 3/8" x 3"
21	049180	1	Zerk, 1/4"-28 Tapered Thread
22	124340	1	Pin, Cotter 3/16" x 1-1/2"
23	1774107	2	Nut, Hex 1"-14
24	265780	1	Sprocket Assembly, CA550 14 Tooth
25	442660	1	Shaft, Ferris Wheel Drive 75-5/8"
26	1770608	4	Bolt, HHCS 1/2"-13 x 3-1/2"
27	991200	2	Bolt, Carriage 1/2"-13 x 2"
28	431200	1	Gearbox, 2030 1:1
29	005200	6	Washer, Flat 9/16" x 1-3/8" x 7/64"
30	442670	4	Bolt, HHCS 12 mm x 40 mm
31	442650	1	Shield, Spin 59-1/4"L
32	170530	2	Bolt, Carriage 3/8"-16 x 1"
33	021190	2	Washer, Flat 7/16" x 1" x 5/64"
34	021180	2	Washer, Lock 3/8" x 11/16" x 3/32"
35	027260	2	Nut, Hex 3/8"-16
36	1770500	4	Bolt, HHCS 1/2"-13 x 1-3/4"
37	265830	1	Sprocket, #60 Roller Chain 60A52
38	I9413967	4	Nut, Lock 1/2"-13 Hex CAD 2-way Plated
39	411410	1	Assembly, Clutch Housing E126199 BRASS BUSHING
40	E126201	1	Bushing, Machined 2-1/2" x 3-7/8" x 9/64"
41	238430	1	Weldment, Slip Clutch Hub
42	042110	1	Nut, Hex 1"-14 Slotted
43	040900	1	Pin, Roll 3/16" x 1-5/8"
44	225040	2	Jaw, Clutch Hardened Slip
45	411260	1	Flange, Spring Clutch
46	201660	4	Bolt, HHCS 5/8"-11 x 6"
47	239080	4	Spring, Compression Slip Clutch
48	I25547R1	4	Washer, Flat 21/32" x 1-5/16" x 3/16" PHC
49	1121555	8	Nut, Hex 5/8"-11 Jam
50	030380	1	Key, Square 3/8" x 3"
51	433700	1	Assembly, Wheel Drive Chain

GRAB ROLL ASSEMBLY & PANELS - 462870

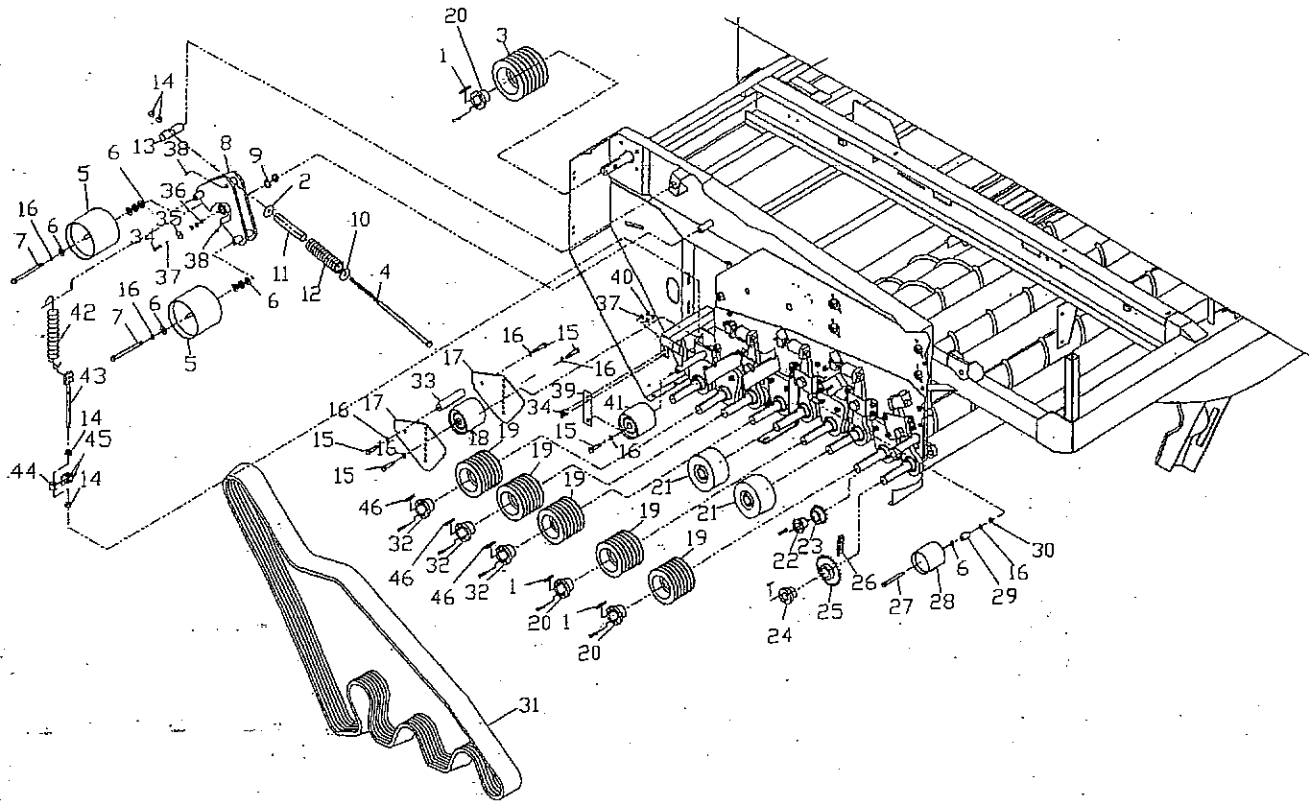


Item	Part Number	Qty.	Description
1	463520	1	Weldment, Grab Rolls Panel Right Hand
2	463530	1	Weldment, Grab Rolls Panel Left Hand
3	442680	4	Bolt, U 3/4"-10 x 5" x 4-1/2"
4	1769804	4	Bolt, HHCS 3/4"-10 x 1-3/4"
5	J14H794	32	Nut, Hex 3/4"-10
6	036800	32	Washer, Lock 3/4"

GRAB ROLL ASSEMBLY & PANELS - 462870

Item	Part Number	Qty.	Description
7	990710	10	Washer, Flat 13/16" x 2" x 9/64"
8	R39520	2	Jack, Ratchet with ACME Threads
9	264710	7	Assembly, Grab Roll Drive Arm 1-3/4" Bearing
10	460940	8	Plate, Fixed Bearing 1-3/4"
11	460950	2	Plate, Fixed Bearing 2"
12	346110	1	Assembly, Grab Roll Drive 2" Bearing
13	236490	15	Bearing, 1-3/4" with Collar
14	E072431	3	Bearing, Insert 2" with Collar
15	990560	18	Bolt, HHCS 3/4"-10 x 2-1/2"
16	990570	2	Bolt, HHCS 3/4"-10 x 3"
17	014770	26	Bolt, HHCS 1/2"-13 x 1-1/2"
18	264770	6	Bracket, Grab Roll Arm
19	264800	8	Pad, Flex 1-3/4" OD x 3/4" ID x 3"
20	344250	8	Bushing, Steel 1" x 1-1/4" x 1/2"
21	344310	8	Clip, Retainer Drive
22	962090	10	Loctite, 12 oz. Can
23	I124589	16	Nut, Hex 5/8"-11
24	005360	28	Nut, Hex 1/2"-13
25	005370	28	Washer, Lock 1/2"
26	035210	8	Washer, Flat 21/32" x 1-5/16" x 3/32"
27	264730	8	Bushing, Grab Roll Drive
28	264740	16	Washer, Hardened 1-1/16" x 3" x 11 Gauge
29	264760	8	Bolt, HHCS 5/8"-11 x 8-1/2"
30	264780	16	Washer, Oval 5/16" x 1-1/4" x 1-1/2"
31	340310	8	Washer, Flat 21/32" x 2" x 1/4"
32	344270	8	Bolt, HHCS 1"-14 x 3-1/2" Grade 8
33	344280	8	Nut, Hex 1"-14 Slotted Grade 8
34	344630	16	Nut, Hex 5/8"-11 Jam Grade 8
35	990720	8	Washer, Flat 1-1/16" x 2-1/2" x 5/32"
36	003950	8	Pin, Cotter 3/16" x 2"
37	990840	2	Bolt, HHCS 1/2"-13 x 3"
38	272080	4	Tube, Lower Hinge
39	462730	1	Bracket, Rear Left Hand
40	462720	1	Bracket, Rear Right Hand
41	463670	1	Bracket, Guard Support
42	462910	2	Flap, Rubber Front
43	462900	2	Flap, Rubber Rear
44	435420	2	Strip, Backer 1-1/2" x 21"
45	462890	4	Strip, Backer 1-1/2" x 12"
46	012420	14	Bolt, Carriage 3/8"-16 x 1-1/2" Grade 2
47	006690	4	Bolt, HHCS 3/8"-16 x 1-1/4"
48	027260	18	Nut, Hex 3/8"-16
49	021180	18	Washer, Lock 3/8" x 11/16" x 3/32"
50	021190	4	Washer, Flat 7/16" x 1" x 5/64"
51	432200	3	Grab Roll, Smooth
52	458900	1	Conveying Roll, Spiral #3 470880 KECKER PLATE
53	432180	1	Weldment, Grab Roll Spiral #5
54	432190	1	Weldment, Grab Roll Spiral #7
55	442390	1	Weldment, Smooth Roll
56	446020	2	Roll, Spiral Conveying #1 and #2

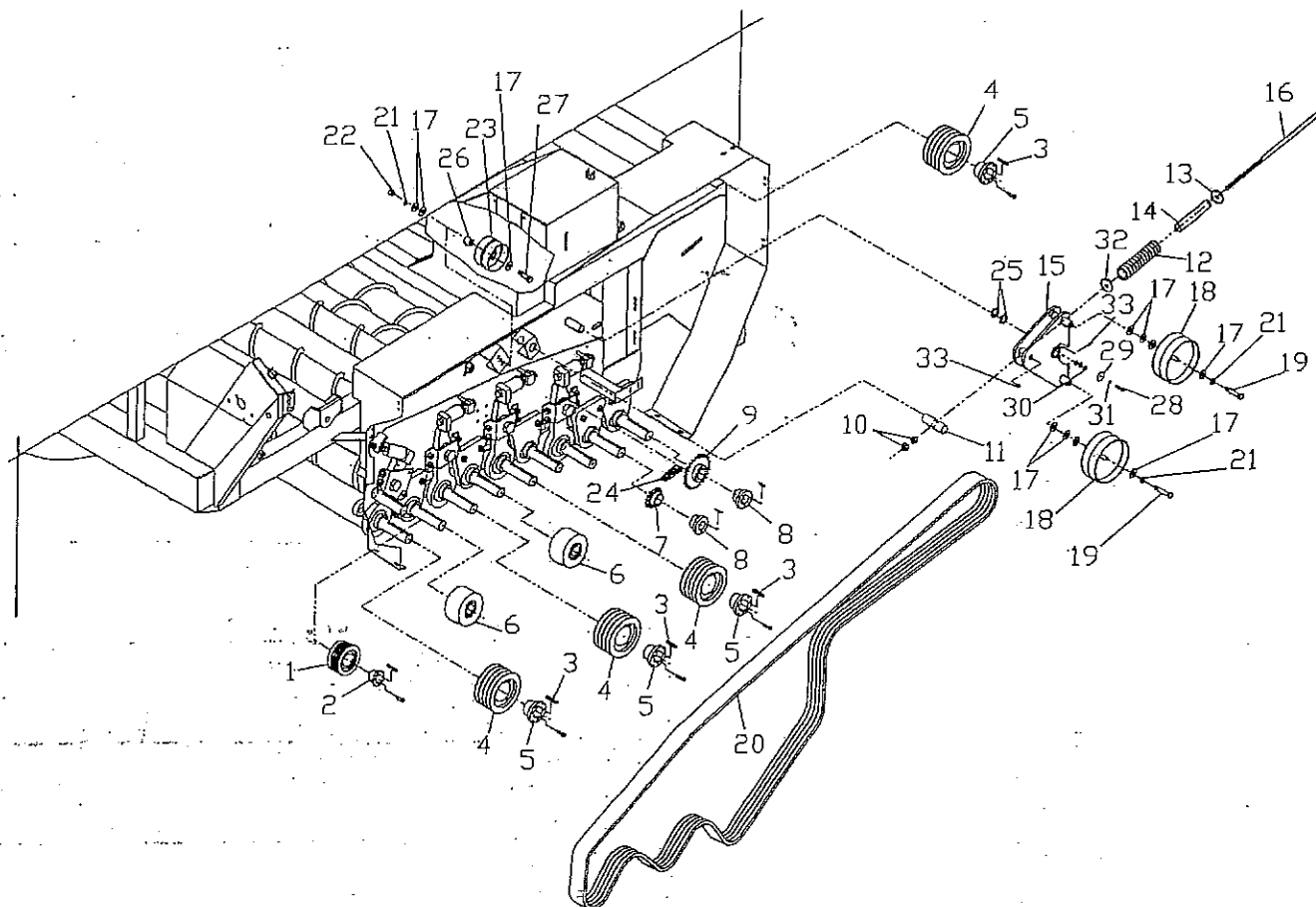
GRAB ROLL DRIVE, LEFT HAND SIDE - 462920



GRAB ROLL DRIVE, LEFT HAND SIDE - 462920

Item	Part Number	Qty.	Description
1	021530	4	Key, Square 3/8" x 2"
2	268560	1	Washer, Flat 17/32" x 1-3/4" x 1/4"
3	442190	1	Sheave, 6B 6-61/64" OD SK Bushing
4	231060	1	Weldment, Take-Up Rod 19"
5	440210	2	Sheave Weldment, Idler 8-1/4" OD x 5-1/4"
6	035210	14	Washer, Flat 21/32" x 1-5/16" x 3/32"
7	I271729	2	Bolt, HHCS 5/8"-11 x 3-1/2"
8	434490	1	Weldment, Idler Pivot Left Hand
9	020880	4	Washer, Flat 1-1/4" x 1-3/4" x 9/64"
10	I486801R1	1	Washer, Flat 17/32" x 2" x 1/4"
11	239040	1	Spacer, Spring Length
12	231000	1	Spring, Compression 1-5/8" x 7-1/4"
13	422110	1	Shaft, Lower Pivot
14	005360	4	Nut, Hex 1/2"-13
15	990600	5	Bolt, HHCS 5/8"-11 x 1-1/4"
16	020440	8	Washer, Lock 5/8" Regular x 1-5/64" x 5/32"
17	456510	2	Plate
18	446560	1	Sheave Assembly, Idler PG 35
19	442180	5	Sheave, 6B 5-61/64" OD SK Bushing
20	R37960	3	Bushing, QD SK 1-3/4" Bore x 3/8"
21	442280	2	Assembly, Sheave Flat 1-3/4" Bearing x 4-3/4" PB 35
22	E126008	1	Bushing, Split Taper 1-7/16" Bore (P1)
23	E740215	1	Sprocket, 60P15
24	287630	1	Bushing, P1 1-3/4" Bore Split Taper
25	E740218	1	Sprocket, 60P18
26	442560	1	Chain, #60 Roller x 33 Pitches
27	031490	1	Bolt, HHCS 5/8"-11 x 5"
28	346830	1	Sheave, Idler Flat 5-7/32" OD x 5"
29	433990	1	Spacer, Stop
30	I124589	1	Nut, Hex 5/8"-11
31	456440	1	Belt, Banded 6B240 BELT, CHAIN, P15 462450 6B19
32	346340	3	Bushing, QD SK 2" Bore
33	447080	1	Pin, Idler 1-1/4" x 5-1/2"
34	012260	3	Bolt, HHCS 3/8"-16 x 1"
35	012270	1	Washer, Flat 13/32" x 1-3/4" x 9/64"
36	021190	3	Washer, Flat 7/16" x 1" x 5/64"
37	021180	3	Washer, Lock 3/8" x 11/16" x 3/32"
38	115590	2	Zerk, 1/4"-28 Taper Self-Tapping Straight
39	462100	1	Strap, Idler Brace
40	027260	2	Nut, Hex 3/8"-16
41	463300	1	Assembly, Idler Sheave
42	394890	1	Spring, Extension 2-13/64" OD x 10-7/16" CL
43	456920	1	Weldment Eyebolt
44	344310	1	Clip, Retainer Drive
45	264780	2	Washer, Oval 5/16" x 1-1/4" x 1-1/2"
46	E388049	3	Key, Square 1/2" x 3"

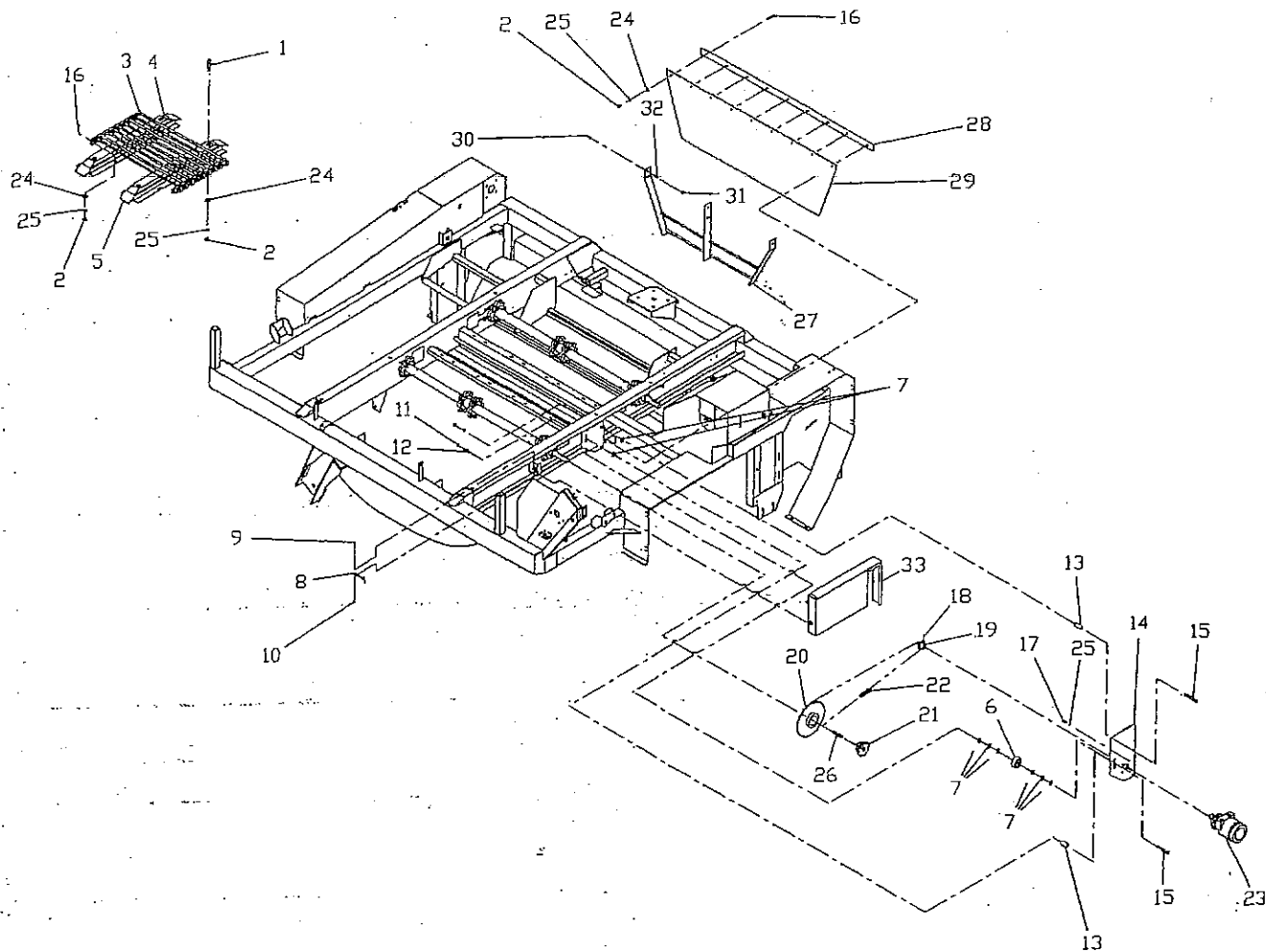
GRAB ROLL DRIVE, RIGHT HAND SIDE - 462930



GRAB ROLL DRIVE, RIGHT HAND SIDE - 462930

Item	Part Number	Qty.	Description
1	442200	1	Sheave, 4B 4-3/4" OD SD Bushing
2	E126095	1	Bushing, QD SD 1-7/16" x 1-13/16" with Bolts and Nuts
3	021530	4	Key, Square 3/8" x 2"
4	E706093	4	Sheave, B4 5-19/32" SD
5	287080	4	Bushing, QD SD 1-3/4" Bore
6	442270	2	Assembly, Sheave Flat 1-3/4" Bearing x 3-1/4" <i>PG 35</i>
7	E740215	1	Sprocket, 60P15
8	287630	2	Bushing, P1 1-3/4" Bore Split Taper
9	287620	1	Sprocket, H60P25 Split Taper
10	005360	2	Nut, Hex 1/2"-13
11	422110	1	Shaft, Lower Pivot
12	231000	1	Spring, Compression 1-5/8" x 7-1/4"
13	I486801R1	1	Washer, Flat 17/32" x 2" x 1/4"
14	239040	1	Spacer, Spring Length
15	441740	1	Weldment, Idlers Pivot Right Hand
16	231060	1	Weldment, Take-Up Rod 19"
17	035210	12	Washer, Flat 21/32" x 1-5/16" x 3/32"
18	E706098	2	Sheave, Idler Flat 8" OD 5/8" Bore
19	990650	2	Bolt, HHCS 5/8"-11 x 3"
20	442430	1	Belt, Banded 4B210
21	020440	3	Washer, Lock 5/8" Regular x 1-5/64" x 5/32"
22	I124589	1	Nut, Hex 5/8"-11
23	E706099	1	Sheave, Idler Flat 5" OD 5/8" ID
24	442570	1	Chain, #60 Roller x 37 Pitches
25	020880	4	Washer, Flat 1-1/4" x 1-3/4" x 9/64"
26	E126195	1	Bushing, 11/16" x 1-1/4" x 1-1/8"
27	028330	1	Bolt, HHCS 5/8"-11 x 4-1/2"
28	012260	1	Bolt, HHCS 3/8"-16 x 1"
29	012270	1	Washer, Flat 13/32" x 1-3/4" x 9/64"
30	021190	3	Washer, Flat 7/16" x 1" x 5/64"
31	021180	1	Washer, Lock 3/8" x 11/16" x 3/32"
32	268560	1	Washer, Flat 17/32" x 1-3/4" x 1/4"
33	115590	2	Zerk, 1/4"-28 Taper Self-Tapping Straight

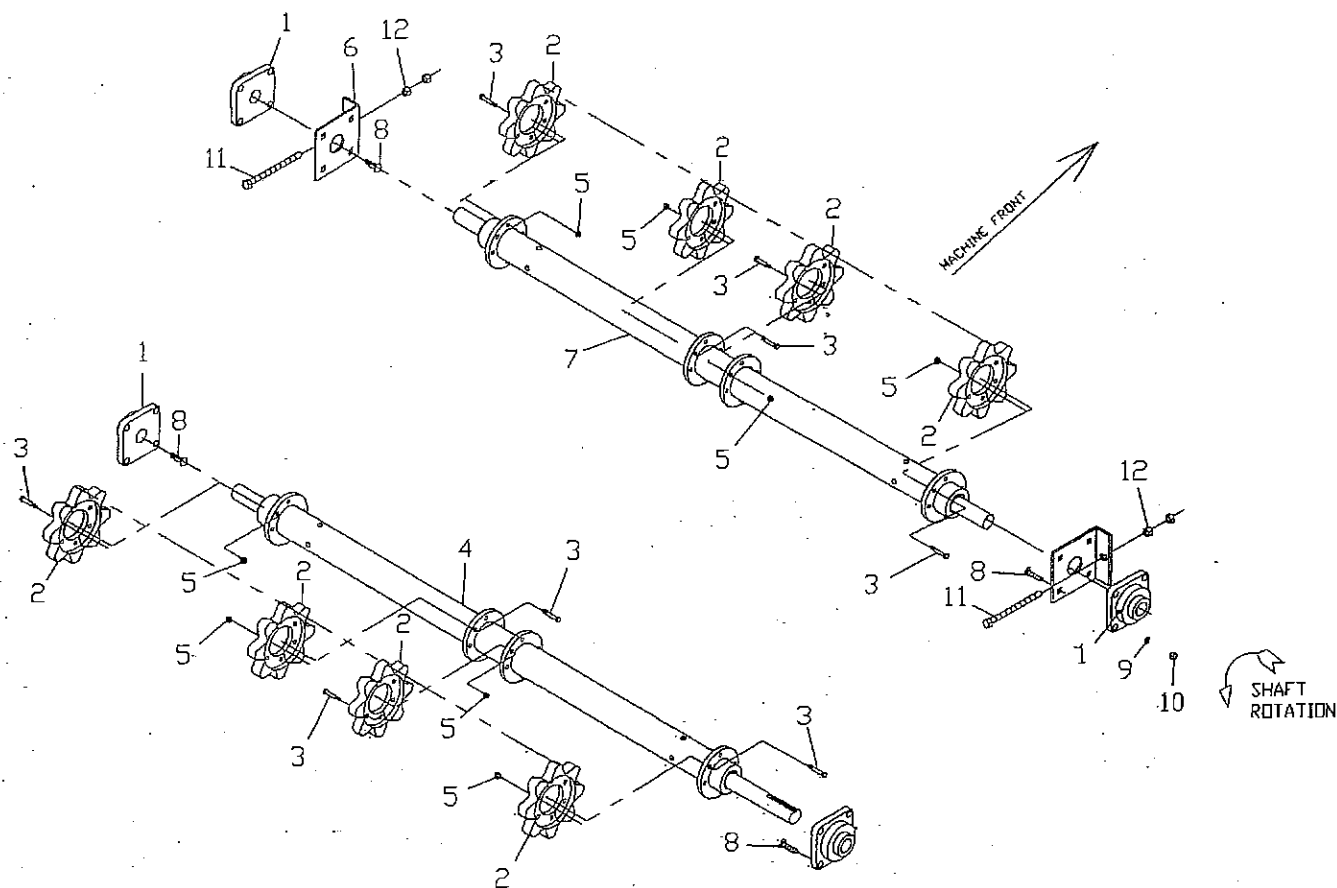
TANK DRIVE & CENTER FLAP - 462940



TANK DRIVE & CENTER FLAP - 462940

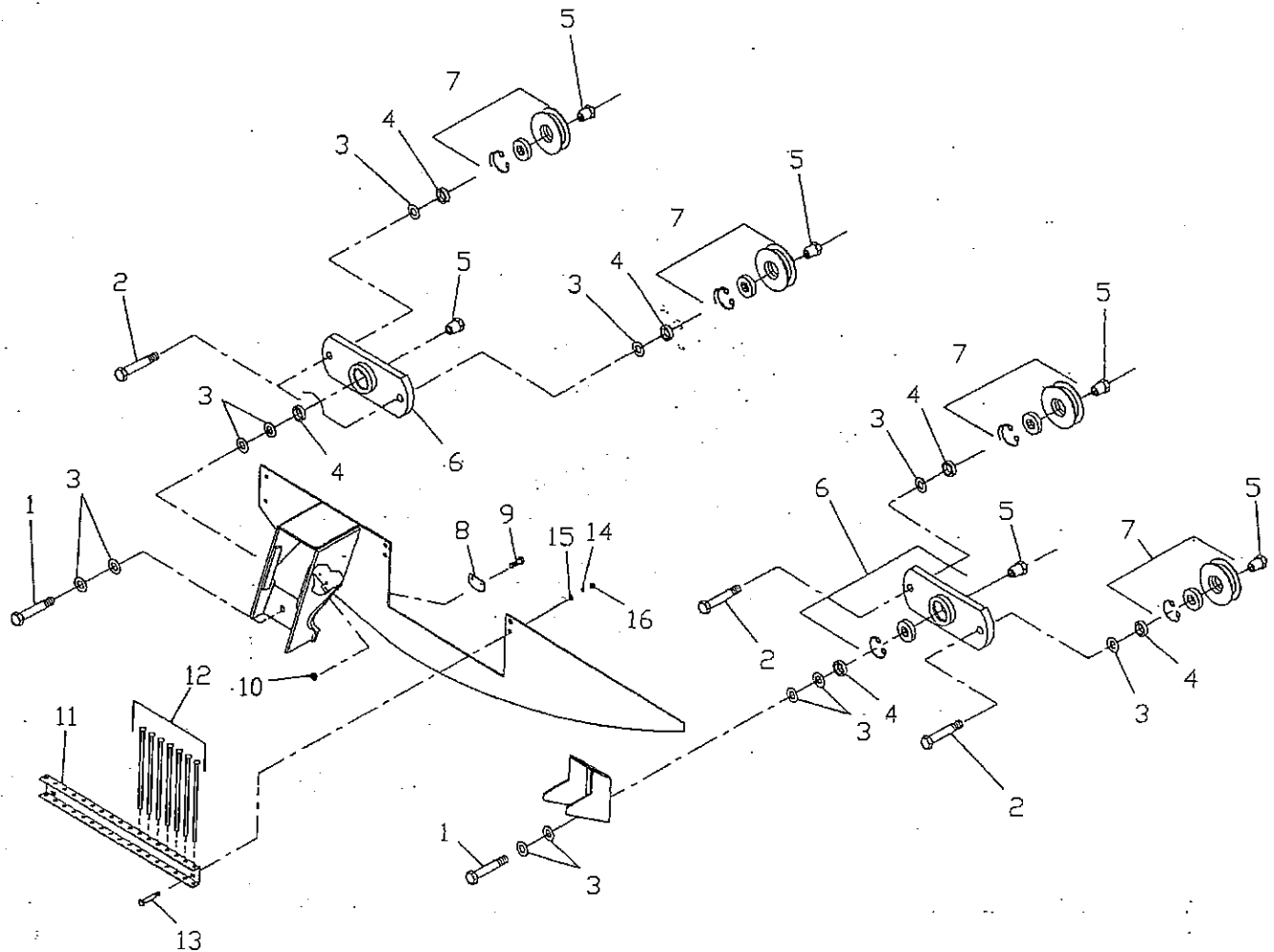
Item	Part Number	Qty.	Description
1	395840	12	Screw, FCHMS 3/8"-16 x 1-1/4"
2	027260	31	Nut, Hex 3/8"-16
3	433730	80	Chain, Draper 5/8" x 2-3/8"P x 30"W
4	431250	4	Strip, Wear UHWM
5	431230	4	Channel, Slide Support
6	E366013	1	Sprocket, Idler 60B13 with 5/8" Bearing
7	035210	14	Washer, Flat 21/32" x 1-5/16" x 3/32"
8	205650	2	Hook, Rubber
9	047000	2	Bolt, HHCS 1/4"-20 x 1-1/2"
10	037550	2	Nut, Lock 1/4"-20
11	I124589	3	Nut, Hex 5/8"-11
12	020440	3	Washer, Lock 5/8" Regular x 1-5/64" x 5/32"
13	JN147304	2	Spacer
14	435090	1	Plate, Motor Mount
15	056720	3	Bolt, HHCS 5/8"-11 x 4"
16	035180	15	Bolt, Carriage 3/8"-16 x 1-1/4"
17	012260	4	Bolt, HHCS 3/8"-16 x 1"
18	188650	2	Screw, 5/16"-18 x 5/16" KNRD Cup
19	268610	1	Sprocket, 60B12
20	433760	1	Sprocket, 60SF 54
21	268590	1	Bushing, QD SF 1-7/16" Round
22	442210	1	Chain, #60H Roller x 81 Pitches
23	343990	1	Motor, Hydraulic MF Displacement 1-39/64" Offset Finished 24 Cu. In.
24	021190	27	Washer, Flat 7/16" x 1" x 5/64"
25	021180	31	Washer, Lock 3/8" x 11/16" x 3/32"
26	021530	1	Key, Square 3/8" x 2"
27	459230	1	Weldment, Flap Brace
28	462150	1	Strap, Center Flap
29	459240	1	Flap, Center
30	010730	4	Bolt, HHCS 1/2"-13 x 1-1/4"
31	005360	4	Nut, Hex 1/2"-13
32	005370	4	Washer, Lock 1/2"
33	434160	1	Weldment, Side Shield

TANK SHAFTS & SPROCKETS - 462860



Item	Part Number	Qty.	Description
1	E072103	4	Bearing, Flange 1-7/16" Bore
2	260660	8	Sprocket, 8 tooth Split 2-3/8" x 3/4 Round Hardened
3	011370	48	Bolt, HHCS 3/8"-16 x 1-1/2"
4	434290	1	Weldment, Tank Drive Shaft
5	073630	48	Nut, Lock 3/8"-16 Hex Nylon
6	269320	2	Bracket, Bearing Adjustment
7	434970	1	Weldment, Tank Idler Shaft
8	025390	16	Bolt, Carriage 1/2"-13 x 1-3/4"
9	005370	16	Washer, Lock 1/2"
10	005360	16	Nut, Hex 1/2"-13
11	R66168	2	Bolt, Adjustment 5/8" x 6-1/2" Full Threaded
12	I124589	4	Nut, Hex 5/8"-11

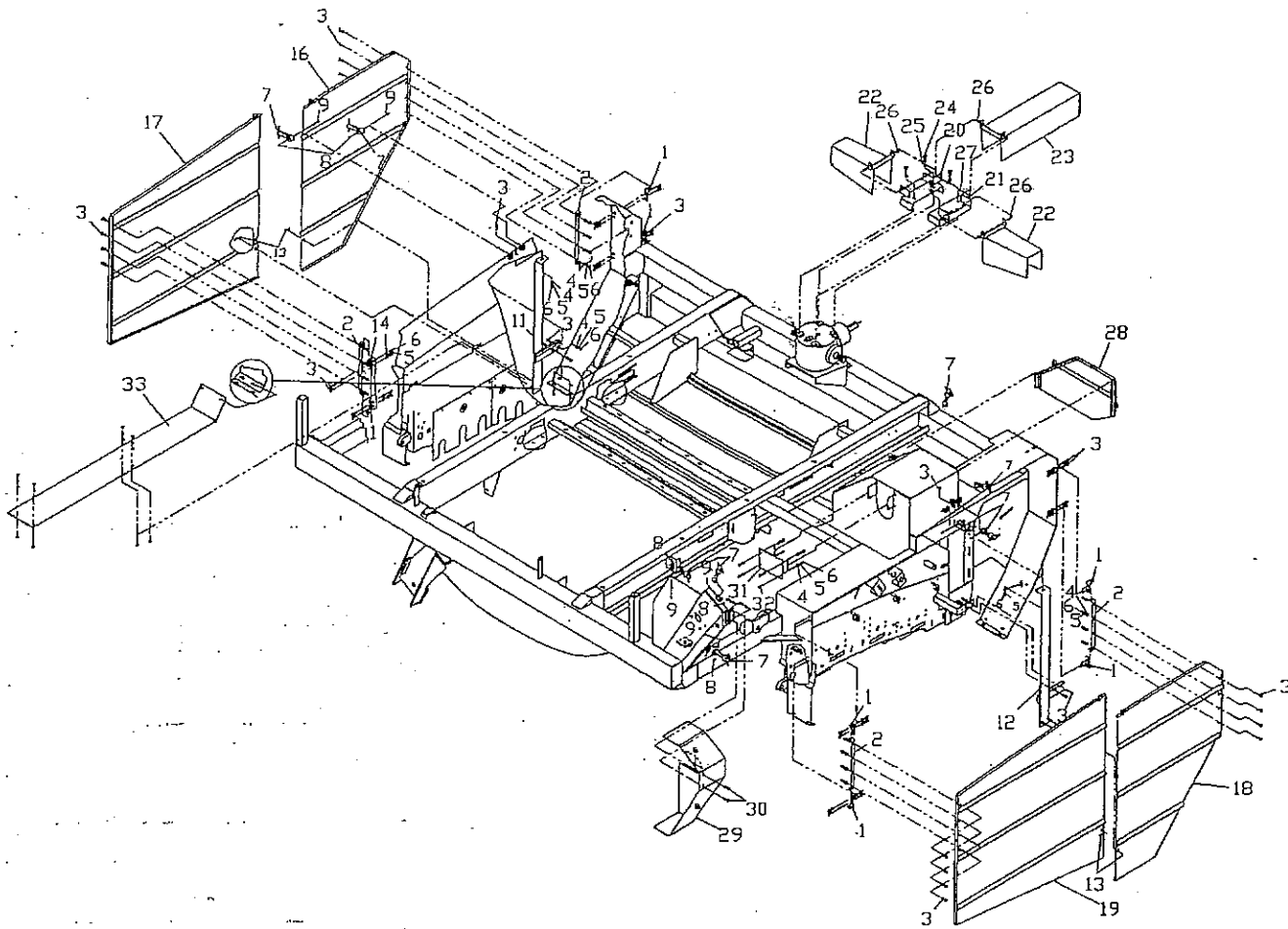
SUPPORT ASSEMBLY, WHEEL ELEVATOR - 439820



Item	Part Number	Qty.	Description
1	268730	2	Bolt, HHCS 1"-8 x 3-1/4" Grade 8
2	R66338	4	Bolt, HHCS 1"-8 x 3"
3	990720	12	Washer, Flat 1-1/16" x 2-1/2" x 5/32"
4	JN144623	6	Spacer
5	JN144757	6	Nut, Guide Wheel 1"-8 UNC
6	439740	2	Assembly, Walking Roller Arm
7	433240	4	Assembly, Wheel Guide Roller
-	JN12358 JN12315B	1	Ring, Retaining
-	JAN142665	1	Bearing, Ball 35 mm x 72 mm x 17 mm
-	433230	1	Guide, Wheel Roller
8	JN144839	1	Strap
9	JN10214	2	Bolt, Hex 3/8" x 1" Flange Lock
10	020180	2	Nut, Lock 3/8"-16 Hex Flange
11	406360	1	Channel, Grate Fence
12	347540	17	Rod, Grate 14-3/4"
13	014770	4	Bolt, HHCS 1/2"-13 x 1-1/2"
14	005370	4	Washer, Lock 1/2"
15	005200	4	Washer, Flat 9/16" x 1-3/8" x 7/64"
16	005360	4	Nut, Hex 1/2"-13

433430 ARM COUPLER
BOLT & NUT ARE SAME AS
ROLLER

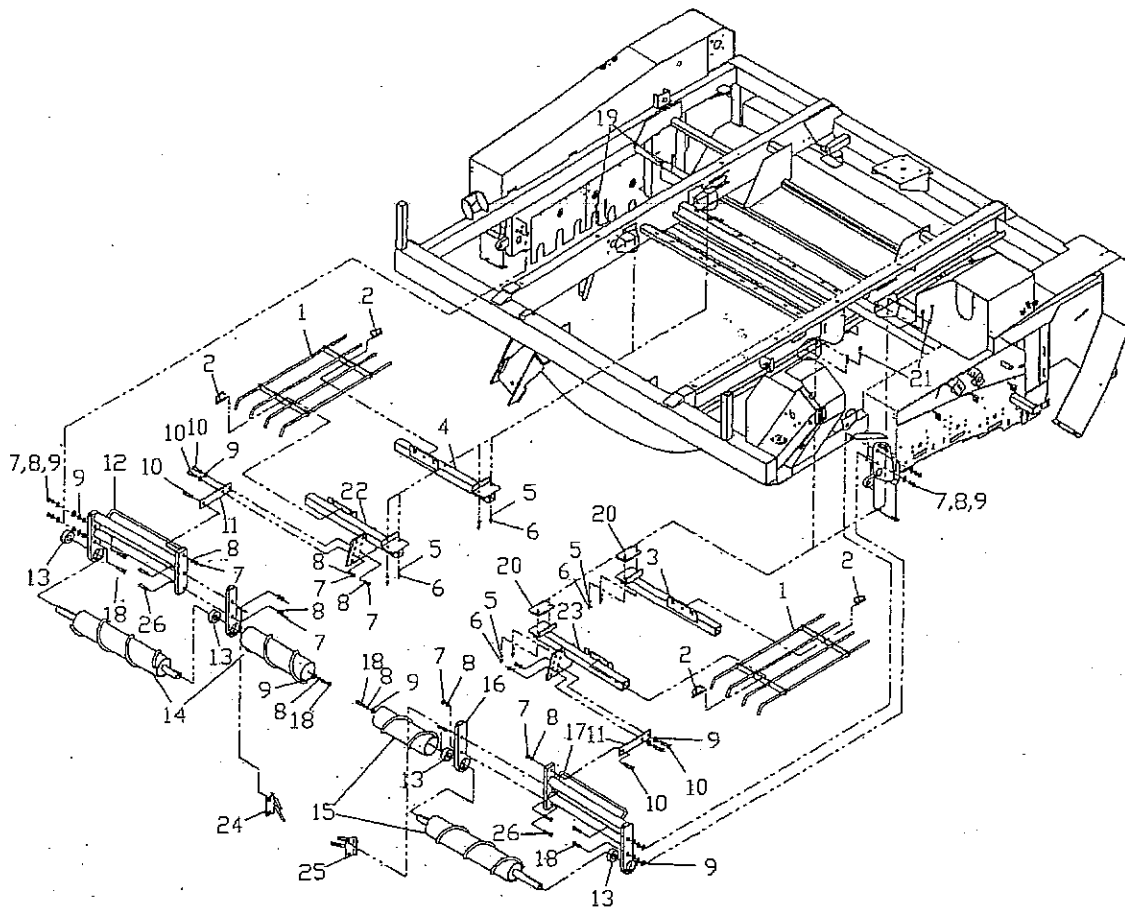
ASSEMBLY, SHIELDS - 462950



ASSEMBLY, SHIELDS - 462950

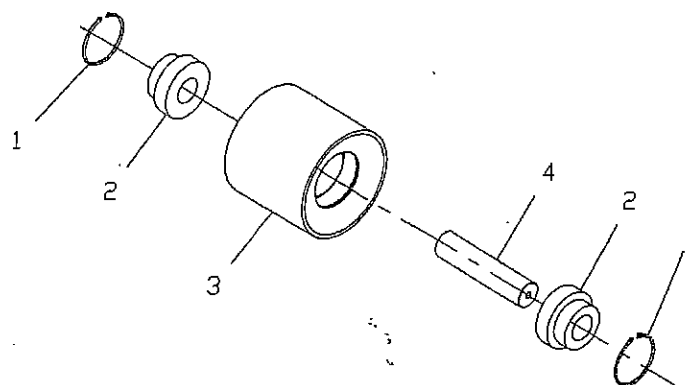
Item	Part Number	Qty.	Description
1	422770	8	Tab, Hinge Mounting
2	422780	4	Weldment, Shield Hinge
3	170530	40	Bolt, Carriage 3/8"-16 x 1"
4	021190	58	Washer, Flat 7/16" x 1" x 5/64"
5	021180	48	Washer, Lock 3/8" x 11/16" x 3/32"
6	027260	50	Nut, Hex 3/8"-16
7	205650	8	Hook, Rubber
8	037550	8	Nut, Lock 1/4"-20
9	223540	8	Bolt, HHCS 1/4"-20 x 1-3/4"
10	-	-	-
11	462960	1	Weldment, Shield Support Strap Left Hand
12	462980	1	Weldment, Shield Support Strap Right Hand
13	051670	4	Pin, Cotter 9/64" x 2-1/2" Hair
14	-	-	-
15	-	-	-
16	463080	1	Weldment, Front Grab Roll Shield Left Hand
17	463060	1	Weldment, Rear Grab Roll Shield Left Hand
18	463020	1	Weldment, Front Grab Roll Shield Right Hand
19	463000	1	Weldment, Rear Grab Roll Shield Right Hand
20	434600	1	Weldment, Pivot Shield Left Hand
21	434610	1	Weldment, Pivot Shield Right Hand
22	434660	2	Weldment, Side Grab Roll Shield
23	434670	1	Weldment, Front Grab Roll Shield
24	E672055	4	Bolt, Hex 5/8"-11 x 1"
25	020440	4	Washer, Lock 5/8" Regular x 1-5/64" x 5/32"
26	012140	6	Bolt, HHCS 5/16"-18 x 3/4"
27	025670	6	Nut, Lock 5/16"-18 Hex Disthreaded
28	462950	1	Shield Weldment, Drive
29	443560	1	Shield Weldment, Wheel Chain
30	022420	2	Bolt, HHCS 3/8"-16 x 3/4"
31	442750	1	Panel, Drive Access
32	012260	4	Bolt, HHCS 3/8"-16 x 1"
33	467090	1	Shield, Lower Drive Sheet
34	466090	1	Shield, Inner Left Hand Bolt On (Not Shown)

DIVERTER ROLLS & GRATE - 462880

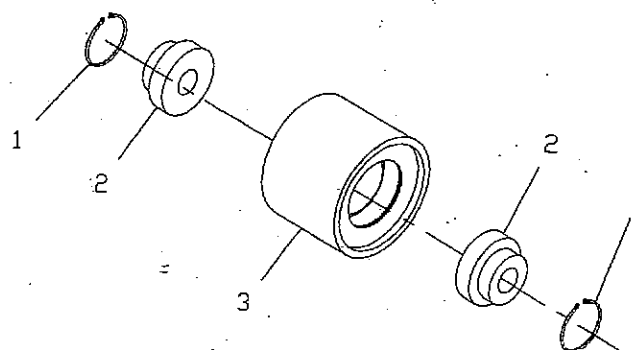


Item	Part Number	Qty.	Description
1	443940	2	Weldment, Side Grate
2	143710	4	Pin, Snapper 3/8" x 2-1/2"
3	462820	1	Weldment, Support Grate Front Right Hand
4	462810	1	Weldment, Support Grate Front Left Hand
5	005370	8	Washer, Lock 1/2"
6	005360	8	Nut, Hex 1/2"-13
7	I124589	14	Nut, Hex 5/8"-11
8	020440	14	Washer, Lock 5/8" Regular x 1-5/64" x 5/32"
9	020430	18	Washer, Flat 11/16" x 1-3/4" x 9/64"
10	990620	6	Bolt, HHCS 5/8"-11 x 2"
11	462800	2	Bar, Diverter Stabilizer
12	444290	1	Weldment, Rear Grate Left Hand
13	E072470	4	Bearing, 1-7/16" with Lock Collar
14	444350	1	Roll, Side Diverter Left Hand
15	444360	1	Roll, Side Diverter Right Hand
16	441460	2	Arm, Diverter
17	444280	1	Weldment, Rear Grate Right Hand
18	990850	4	Bolt, HHCS 5/8"-11 x 2-3/4"
19	010730	4	Bolt, HHCS 1/2"-13 x 1-1/4"
20	455510	2	Plate, Shim
21	990610	4	Bolt, HHCS 5/8"-11 x 1-1/2"
22	462780	1	Weldment, Support Grate Rear Left Hand
23	462790	1	Weldment, Support Grate Rear Right Hand
24	459760	1	Weldment, Grate Filler Left Hand
25	459770	1	Weldment, Grate Filler Right Hand
26	990650	4	Bolt, HHCS 5/8"-11 x 3"

IDLERS

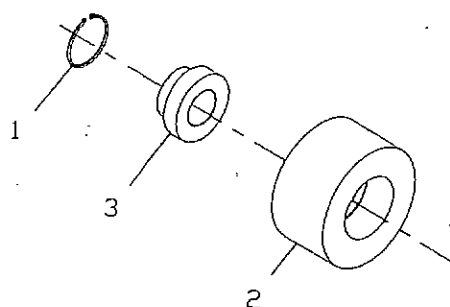


Item	Part Number	Qty.	Description
1	E642027	2	Ring, Retainer Internal 2-13/16" x 3/32"
2	346950	2	Assembly, Bearing 1-1/4" OD
3	446550	1	Weldment, Flat Sheave
4	447080	1	Pin, Idler 1-1/4" x 5-1/2"



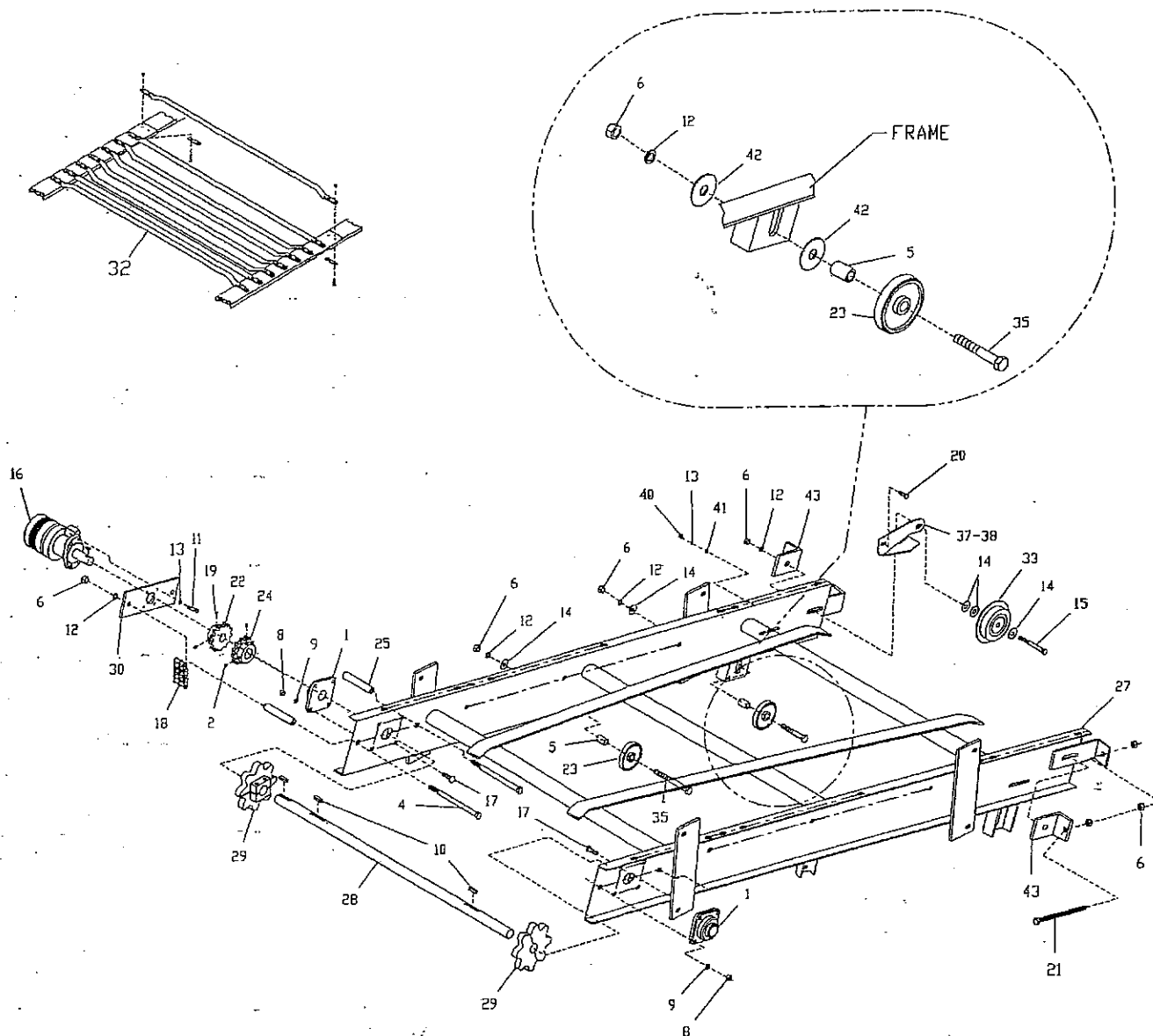
assy. # 442280

Item	Part Number	Qty.	Description
1	442290	2	Ring, Snap
2	G210042	2	Bearing, Flat 1-3/4" Bore
3	442260	1	Sheave, Flat 1-3/4" Bearing



Item	Part Number	Qty.	Description
1	442290	1	Ring, Snap
2	442250	1	Weldment, Flat Sheave 1-3/4" Bearing
3	G210042	1	Bearing, Flat 1-3/4" Bore

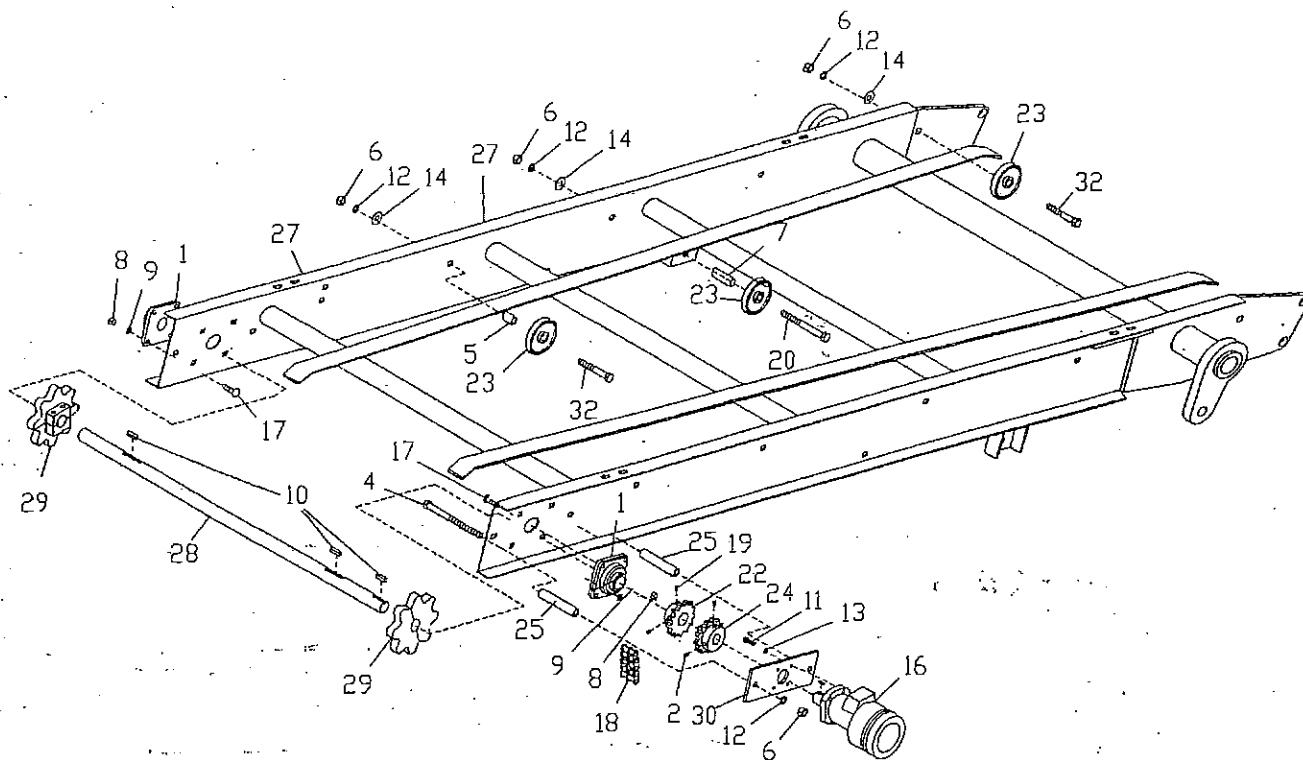
ELEVATOR ASSEMBLY, TANK - 439850



ELEVATOR ASSEMBLY, TANK - 439850

Item	Part Number	Qty.	Description
1	E072103	2	Bearing, Flange 1-7/16" Bore
2	E672139	2	Screw, HSSS 3/8"-16 x 5/16" Nylok
3	-	-	-
4	E672446	2	Bolt, HHCS 5/8"-11 x 7"
5	E724252	10	Spacer, 1" OD x 5/32" x 1-1/2"
6	I124589	20	Nut, Hex 5/8"-11
7	-	-	-
8	005360	8	Nut, Hex 1/2"-13
9	005370	8	Washer, Lock, 1/2"
10	006670	3	Key, Square 3/8" x 1-1/2"
11	012260	4	Bolt, HHCS 3/8"-16 x 1"
12	020440	14	Washer, Lock 5/8" Regular x 1-5/64" x 5/32"
13	021180	6	Washer, Lock 3/8" x 11/16" x 3/32"
14	035210	16	Washer, Flat 21/32" x 1-5/16" x 3/32"
15	-	-	-
16	463410	1	Motor, Hydraulic MF-22
16	234040 243040	1	Kit, Seal Ross #SK000090-MG
17	156850	8	Bolt, Carriage 1/2"-13 x 1-1/2"
18	163770	1	Assembly, #60 Roller Chain-2 14 Pitches Includes Connector
19	188650	2	Screw, 5/16"-18 x 5/16" KNRD Cup
20	J03H1558	2	Bolt, Carriage 3/8"-16 x 1-1/2"
21	R66168	2	Bolt, Adjustment 5/8" x 6-1/2" Full Threaded
22	271170	1	Sprocket, Coupling 60B14 1-7/16" ID
23	343280	10	Roller, Rubber 4" Dia.
24	343960	1	Sprocket, Coupling 60B14 1" ID
25	343980	2	Spacer, 41/64" ID 1" OD x 5-1/2"
26	990680	2	Bolt, HHCS 5/8"-11 x 5-1/2"
27	433960	1	Weldment, Tank Elevator
28	404420	1	Shaft, Drive 1-7/16"
29	433770	2	Sprocket, Drive 8 Teeth 1-7/16" Bore x 56 mm Pitch
30	404460	1	Plate, Motor Mount
31	-	-	-
32	460070	1	Assembly, Belted Chain 56 mm Pitch 67 Pitches
-	430600P		Rod, Down 1/4" DN40 Threaded
-	455500P		Screw, 1/4"-20 x 1" Ctr SK Hex Sock
-	455490P		Plate, Backer for 1/4" Rod
33	404450	2	Assembly, Roller 5" OD x 8" Flange
34	-	-	-
35	I271729	10	Bolt, HHCS 5/8"-11 x 3-1/2"
36	-	-	-
37	426360	1	Scraper, 5" Roller with 8" Flange Right Hand
38	426370	1	Scraper, 5" Roller with 8" Flange Left Hand
39	-	-	-
40	027260	2	Nut, Hex 3/8"-16
41	021190	4	Washer, Flat 7/16" x 1" x 5/64"
42	340310	4	Washer, Flat 21/32" x 2" x 1/4"
43	433280	2	Angle, Take-Up

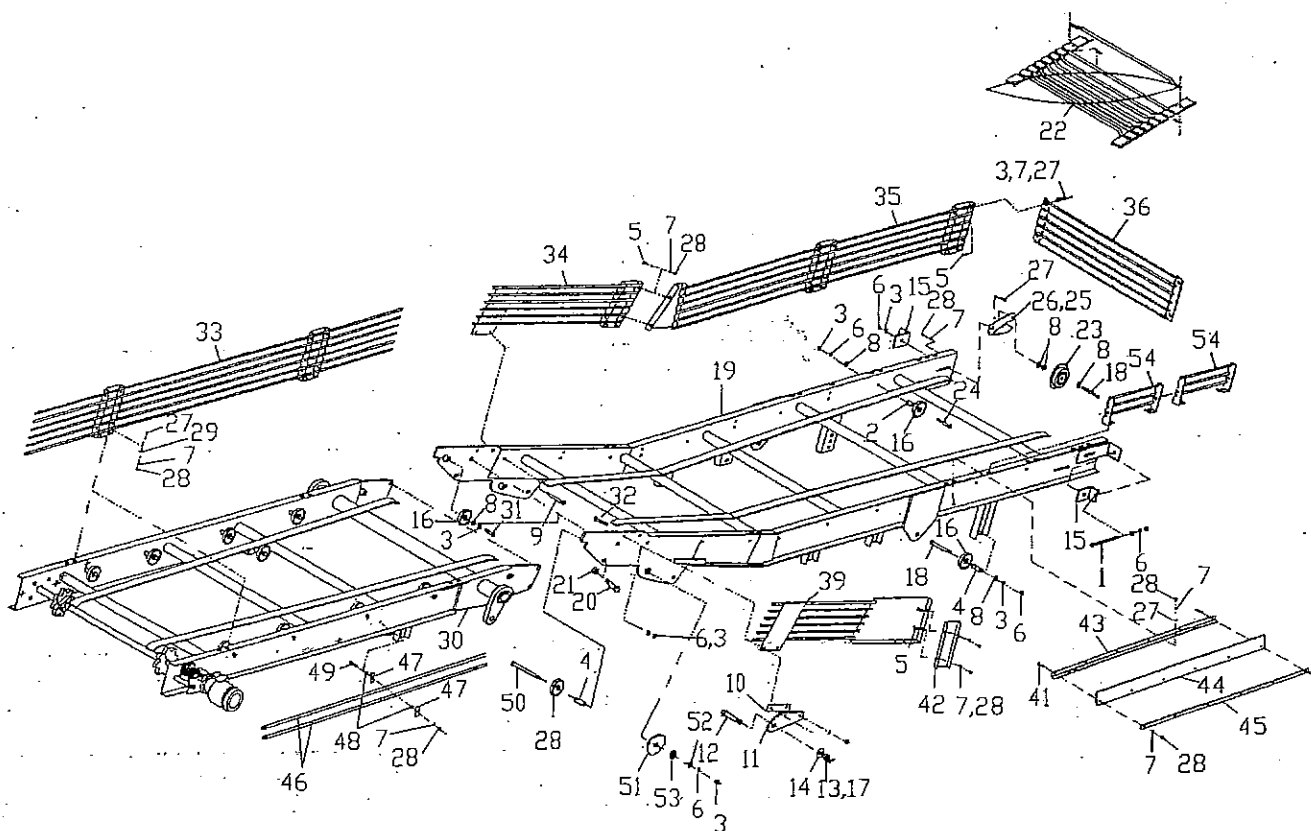
ELEVATOR ASSEMBLY, BOOM TRUCK - 439860



ELEVATOR ASSEMBLY, BOOM TRUCK - 439860

Item	Part Number	Qty.	Description
1	E072103	2	Bearing, Flange 1-7/16" Bore
2	E672139	2	Screw, HSSS 3/8"-16 x 5/16" Nylok
3	-	-	-
4	E672446	2	Bolt, HHCS 5/8"-11 x 7"
5	E724252	8	Spacer, 1" OD x 5/32" x 1-1/2"
6	I124589	16	Nut, Hex 5/8"-11
7	JN144798	4	Trunion, Wheel Retainer
8	005360	8	Nut, Hex 1/2"-13
9	005370	8	Washer, Lock 1/2"
10	006670	3	Key, Square 3/8" x 1-1/2"
11	012260	4	Bolt, HHCS 3/8"-16 x 1"
12	020440	16	Washer, Lock 5/8" Regular x 1-5/64" x 5/32"
13	021180	4	Washer, Lock 3/8" x 11/16" x 3/32"
14	035210	20	Washer, Flat 21/32" x 1-5/16" x 3/32"
15	-	-	-
16	463410	1	Motor, Hydraulic MF-22
16	234040 243040	1	Kit, Seal Ross #SK000090-MG
17	156850	8	Bolt, Carriage 1/2"-13 x 1-1/2"
18	163770	1	Assembly, #60 Roller Chain-2 14 Pitches Includes Connector
19	188650	2	Screw, 5/16"-18 x 5/16" KNRD Cup
20	990680	4	Bolt, HHCS 5/8"-11 x 5-1/2"
21	-	-	-
22	271170	1	Sprocket, Coupling 60B14 1-7/16" ID
23	343280	14	Roller, Rubber 4" Dia.
24	343960	1	Sprocket, Coupling 60B14 1" ID
25	343980	2	Spacer, 41/64" ID 1" OD x 5-1/2"
26	-	-	-
27	433980	1	Weldment, Truck Boom
28	404420	1	Shaft, Drive 1-7/16"
29	433770	2	Sprocket, Drive 8 Teeth 1-7/16" Bore x 56 mm Pitch
30	404460	1	Plate, Motor Mount
31	-	-	-
32	I1271729	10	Bolt, HHCS 5/8"-11 x 3-1/2"

ELEVATOR ASSEMBLY, TRUCK - 440190

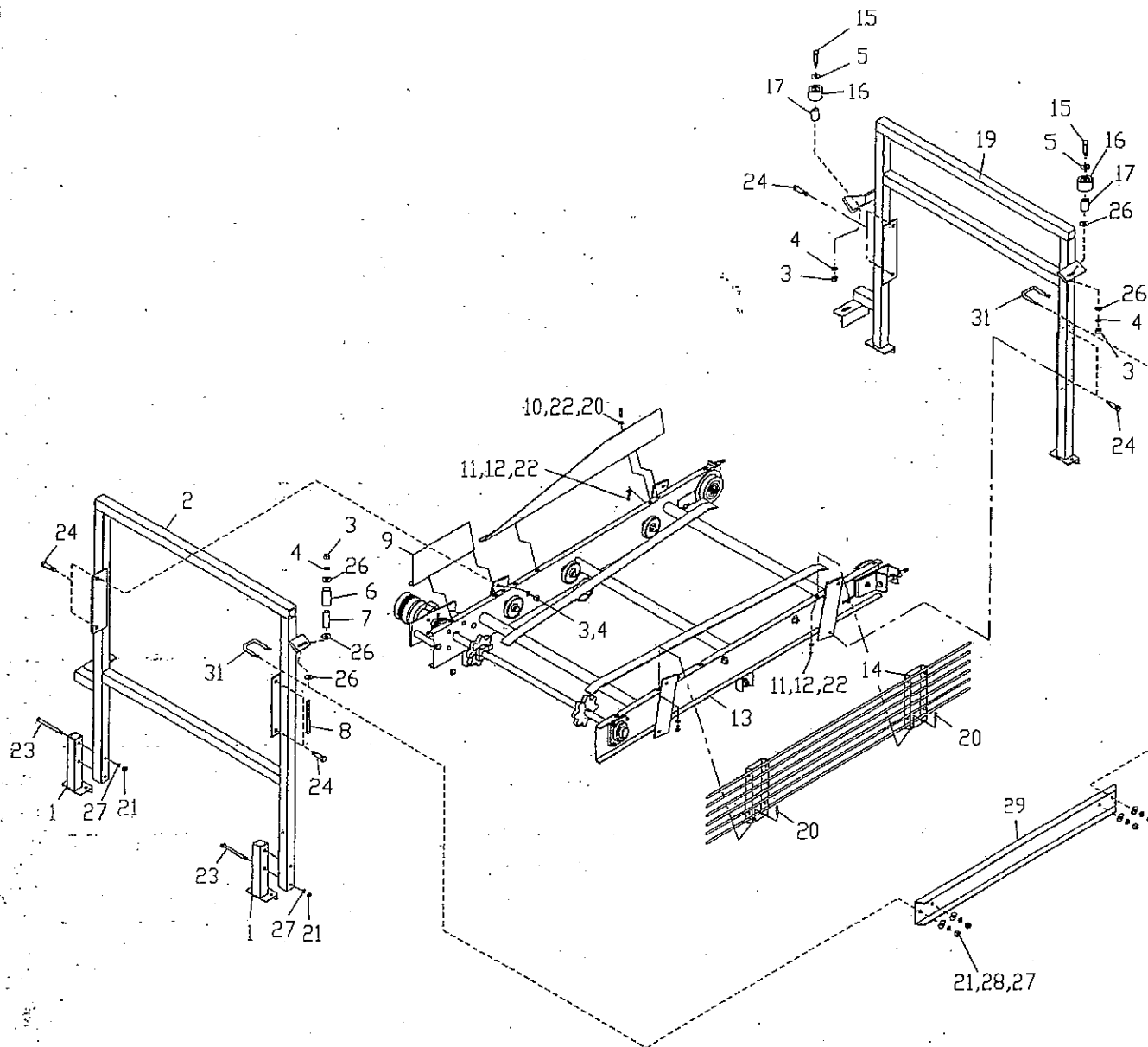


Item	Part Number	Qty.	Description
1	R66168	2	Bolt, Adjustment 5/8" x 6-1/2" Full Threaded
2	E724252	18	Spacer, 1" OD x 5/32" x 1-1/2"
3	I124589	36	Nut, Hex 5/8"-11
4	JN144798	8	Trunion, Wheel Retainer
5	170530	10	Bolt, Carriage 3/8"-16 x 1"
6	020440	32	Washer, Lock 5/8" Regular x 1-5/64" x 5/32"

ELEVATOR ASSEMBLY, TRUCK - 440190

Item	Part Number	Qty.	Description
7	021180	22	Washer, Lock 3/8" x 11/16" x 3/32"
8	035210	32	Washer, Flat 21/32" x 1-5/16" x 3/32"
9	028330	2	Bolt, HHCS 5/8"-11 x 4-1/2"
10	433440	2	Plate, Hinge Spacer
11	433450	2	Lug, Outer Hinge
12	344270	2	Bolt, HHCS 1"-14 x 3-1/2" Grade 8
13	344280	2	Nut, Hex 1"-14 Slotted Grade 8
14	1107389	6	Washer, Flat 1"
15	433280	2	Angle, Take-Up
16	343280	28	Roller, Rubber 4" Dia.
17	003950	2	Pin, Cotter 3/16" x 2"
18	990680	8	Bolt, HHCS 5/8"-11 x 5-1/2"
19	433970	1	Weldment, Lower Truck Elevator
20	E672354	2	Bolt, HHCS 1"-8 x 2"
21	J14H805	2	Nut, Hex 1"-8
22	433740	1	Assembly, Belted Chain 56mm Pitch 203 Pitches
-	430600P	-	Rod, Down 1/4" DN40 Threaded
-	455500P	-	Screw, 1/4"-20 x 1" Ctr SK Hex Sock
-	455490P	-	Plate, Backer for 1/4" Rod
23	404450	2	Assembly, Roller 5" OD x 8" Flange
24	I271729	16	Bolt, HHCS 5/8"-11 x 3-1/2"
25	426360	1	Scraper, 5" Roller with 8" Flange Right Hand
26	426370	1	Scraper, 5" Roller with 8" Flange Left Hand
27	J03H1558	2	Bolt, Carriage 3/8"-16 x 1-1/2"
28	027260	23	Nut, Hex 3/8"-16
29	021190	22	Washer, Flat 7/16" x 1" x 5/64"
30	439860	1	Assembly, Boom Truck Elevator
31	990620	2	Bolt, HHCS 5/8"-11 x 2"
32	023110	4	Bolt, HHCS 5/8"-11 x 2-1/2"
33	-	-	-
34	439870	1	Weldment, Rear Grate Left Hand
35	433630	1	Weldment, Lower Truck Elevator Rear Grate
36	440030	1	Weldment, End Grate
37	-	-	-
38	-	-	-
39	463730	1	Weldment, Front Grate
40	-	-	-
41	006690	12	Bolt, HHCS 3/8"-16 x 1-1/4"
42	460080	1	Bracket, Front Grate Left Hand
43	456130	1	Angle, Elevator Flap
44	456120	1	Flap, Rubber 1/4" x 4"
45	456140	1	Strap, Elevator Flap
46	443730	2	Assembly, Hose Hydraulic 5/8" x 220" 1/2" NPT
47	413050	2	Clamp, Hose
48	P98458	2	Spacer, 13/32" x 1/2"
49	011370	1	Bolt, HHCS 3/8"-16 x 1-1/2"
50	E672446	2	Bolt, HHCS 5/8"-11 x 7"
51	462740	2	Stop, Elevator
52	020430	2	Washer, Flat 11/16" x 1-3/4" x 9/64"
53	455620	2	Washer, 1-5/16" x 3-1/8" x 1/2"
54	463820	2	Weldment, Rear Grate Left Hand

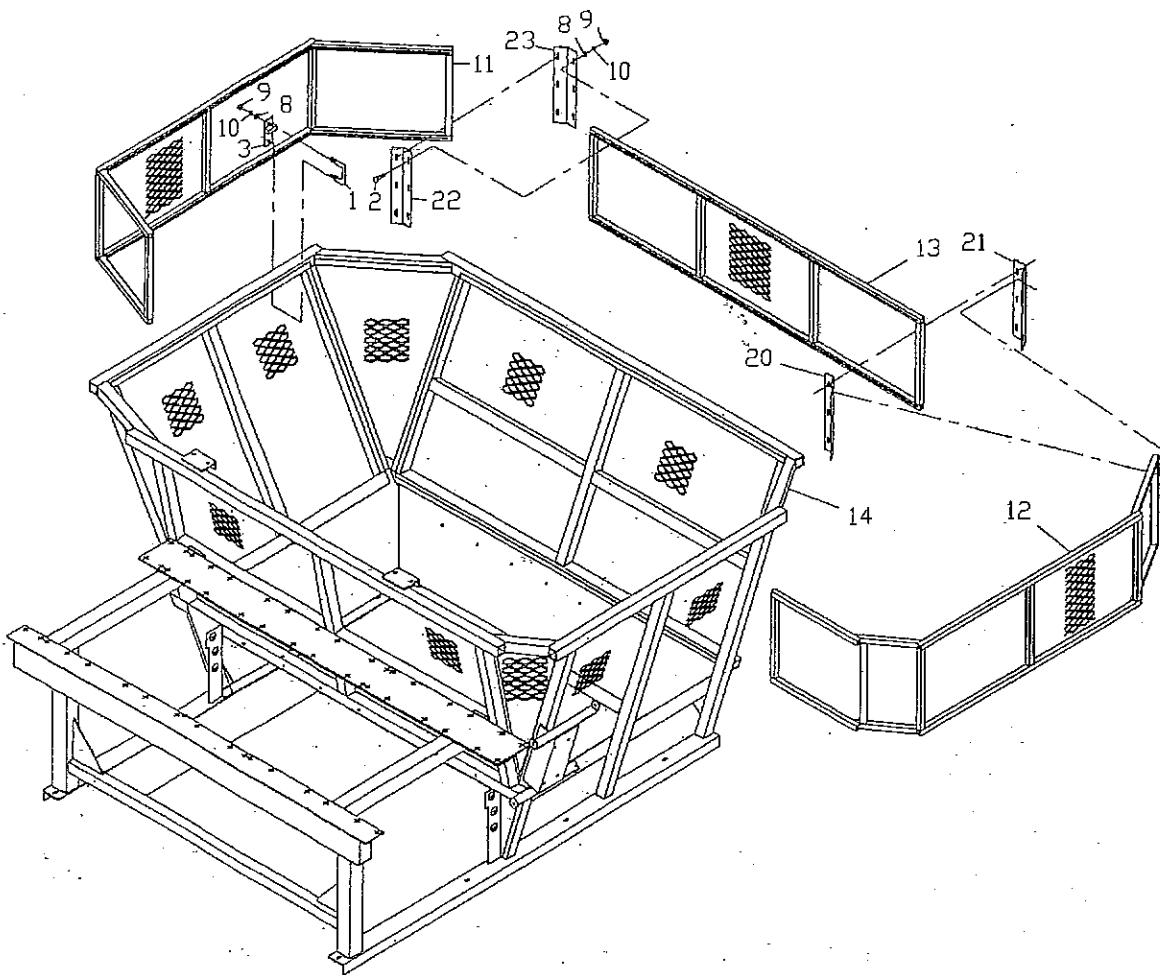
TOWER & TANK ELEVATOR ASSEMBLY - 440440



TOWER & TANK ELEVATOR ASSEMBLY - 440440

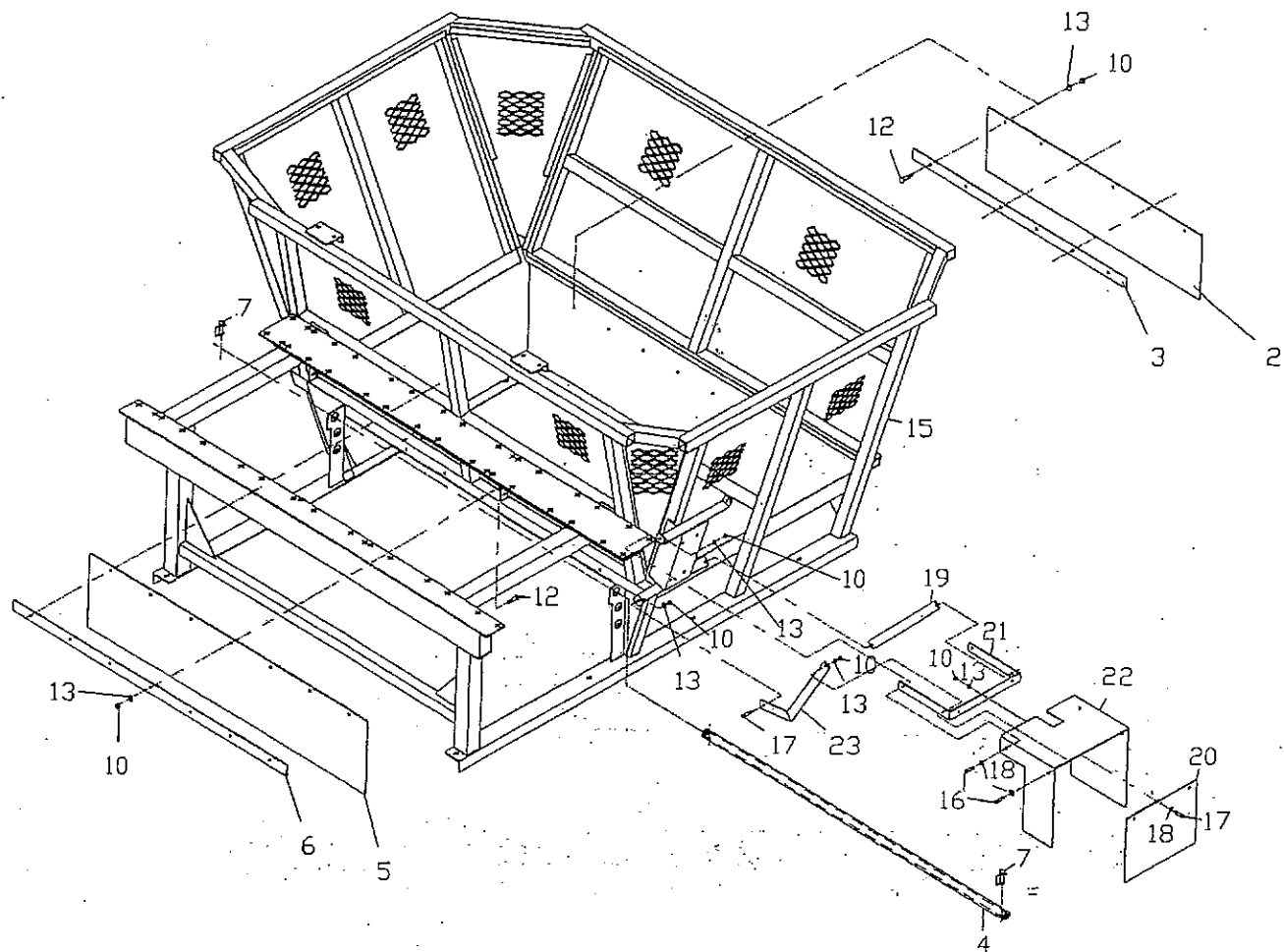
Item	Part Number	Qty.	Description
1	441720	2	Weldment, Tower Extension Tube
2	437460	1	Weldment, Rear Tower
3	I124589	12	Nut, Hex 5/8"-11
4	020440	12	Washer, Lock 5/8" Regular x 1-5/64" x 5/32"
5	035210	2	Washer, Flat 21/32" x 1-3/16" x 3/32"
6	JN144799	2	Roller, Wheel Retainer
7	JN144798	2	Trunion, Wheel Retainer
8	031490	2	Bolt, HHCS 5/8"-11 x 5"
9	463760	1	Panel, Left Rear
10	463780	1	Panel, Filler Tank Elevator
11	021180	9	Washer, Lock 3/8" x 11/16" x 3/32"
12	027260	9	Nut, Hex 3/8"-16
13	439850	1	Assembly, Tank Elevator 698
14	433320	1	Weldment, Elevator Tank Grate Right Hand
15	028330	2	Bolt, HHCS 5/8"-11 x 4-1/2"
16	413970	2	Assembly, Wheel Retainer Roller
17	413980	2	Spacer, 1-1/4" x 6-11/16" ID x 2"
18	-	-	-
19	437450	1	Weldment, Front Tower
20	006690	9	Bolt, HHCS 3/8"-16 x 1-1/4"
21	005360	8	Nut, Hex 1/2"-13
22	I120394	14	Washer, Flat 13/32" x 13/16" x 3/64"
23	160350	4	Bolt, HHCS 1/2"-13 x 5"
24	990610	8	Bolt, HHCS 5/8"-11 x 1-1/2"
25	-	-	-
26	020430	6	Washer, Flat 11/16" x 1-3/4" x 9/64"
27	005370	8	Washer, Lock 1/2"
28	005200	4	Washer, Flat 9/16" x 1-3/8" x 7/64"
29	438960	1	Channel, Tower Tie
30	-	-	-
31	290890	2	Bolt, U 1/2"-13 x 2-1/16" x 3"

TANK & MOUNTING PACKAGE - 440430-10



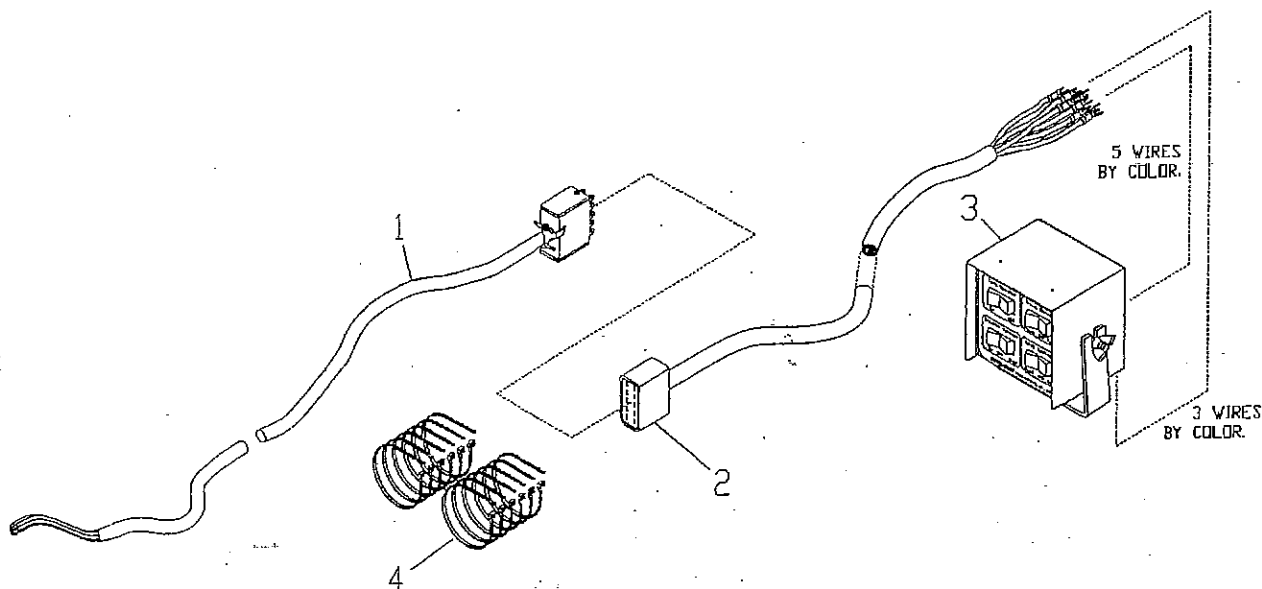
Item	Part Number	Qty.	Description
1	441520	7	Bolt, U 3/8"-16 x 3-1/32" x 3"
2	351440	12	Bolt, Carriage 3/8"-16 x 2-1/4"
3	441550	7	Weldment, Spacer Tank Extension
4	-	-	-
5	-	-	-
6	005370	8	Washer, Lock 1/2"
7	005360	8	Nut, Hex 1/2"-13
8	021190	26	Washer, Flat 7/16" x 1" x 5/64"
9	027260	26	Nut, Hex 3/8"-16
10	021180	26	Washer, Lock 3/8" x 11/16" x 3/32"
11	436730	1	Weldment, Tank Extension Left Hand
12	436740	1	Weldment, Tank Extension Right Hand
13	436750	1	Weldment, Tank Extension Front
14	440860	1	Assembly, Tank
15	-	-	-
16	-	-	-
17	-	-	-
18	-	-	-
19	-	-	-
20	443010	1	Angle, Extension Clamp 15" x 3-3/8"
21	443020	1	Angle, Extension Clamp 15" x 5"
22	443030	1	Angle, Extension Clamp 15" x 3-5/8"
23	443040	1	Angle, Extension Clamp 15" x 4-1/2"

TANK ASSEMBLY - 440860



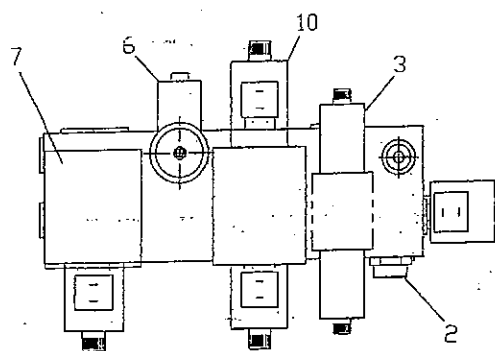
Item	Part Number	Qty.	Description
1	-	-	-
2	436890	1	Liner, Disc. End Front
3	439630	1	Strap, Rubber Hopper Front
4	436610	1	Tube, Tank Flap Adjustment
5	434150	1	Flap, Rubber Hopper
6	439640	1	Strap, Rubber Hopper Rear
7	143710	2	Pin, Snapper 3/8" x 2-1/2"
8	-	-	-
9	-	-	-
10	027260	22	Nut, Hex 3/8"-16
11	-	-	-
12	J03H1558	13	Bolt, Carriage 3/8"-16 x 1-1/2"
13	021180	22	Washer, Lock 3/8" x 11/16" x 3/32"
14	-	-	-
15	436790	1	Weldment, Tank
16	011370	4	Bolt, HHCS 3/8"-16 x 1-1/2"
17	012260	5	Bolt, HHCS 3/8"-16 x 1"
18	021190	7	Washer, Flat 7/16" x 1" x 5/64"
19	442870	1	Support, Valve Flap
20	442880	1	Flap, Valve
21	442890	1	Bracket, Formed Flap
22	442900	1	Flap, Valve Sides
23	442930	1	Weldment, Flap Bracket

WIRING, MAIN VALVE & CONTROL - 449840

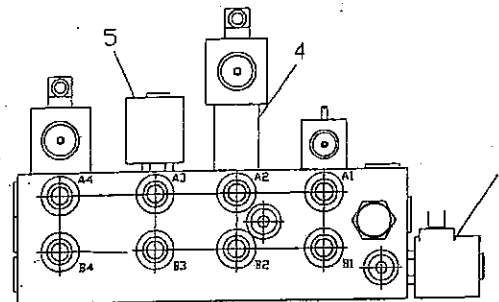


Item	Part Number	Qty.	Description
1	434140	1	Harness, Main Valve
2	434250	1	Cord, Control Remote Box
3	434120	1	Assembly, Control Box
4	149670	12	Tie, Cable 3/16" x 11"

MAIN VALVE - 443680 (ITEM 22 PAGE 49)



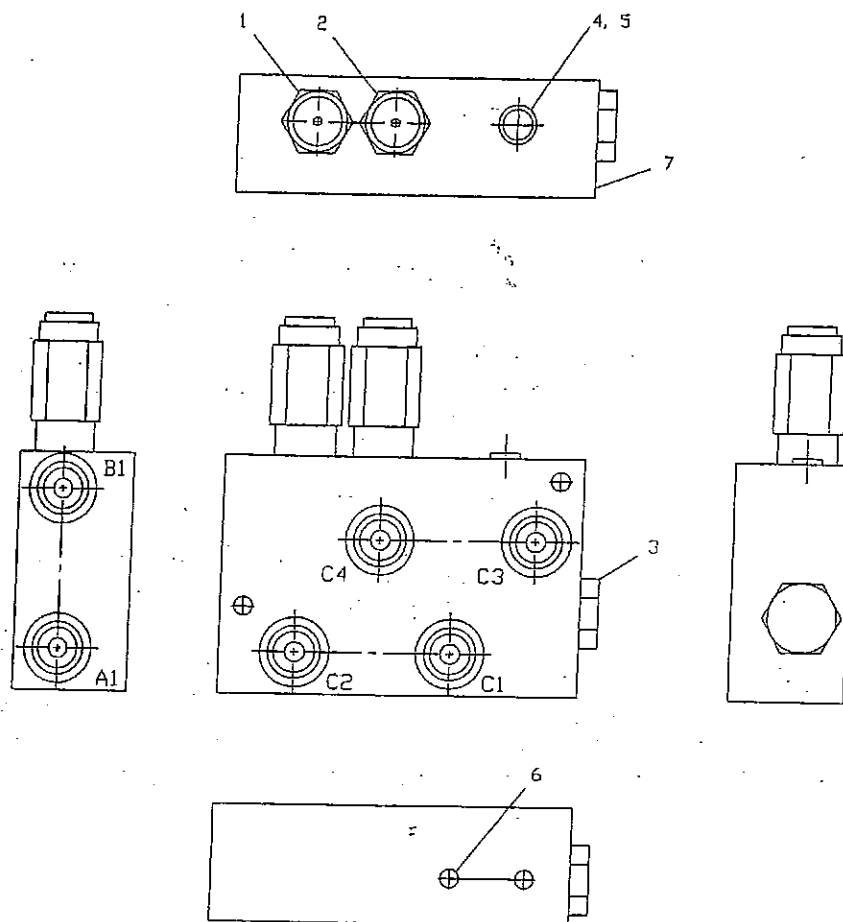
LEFT SIDE VIEW



FRONT VIEW

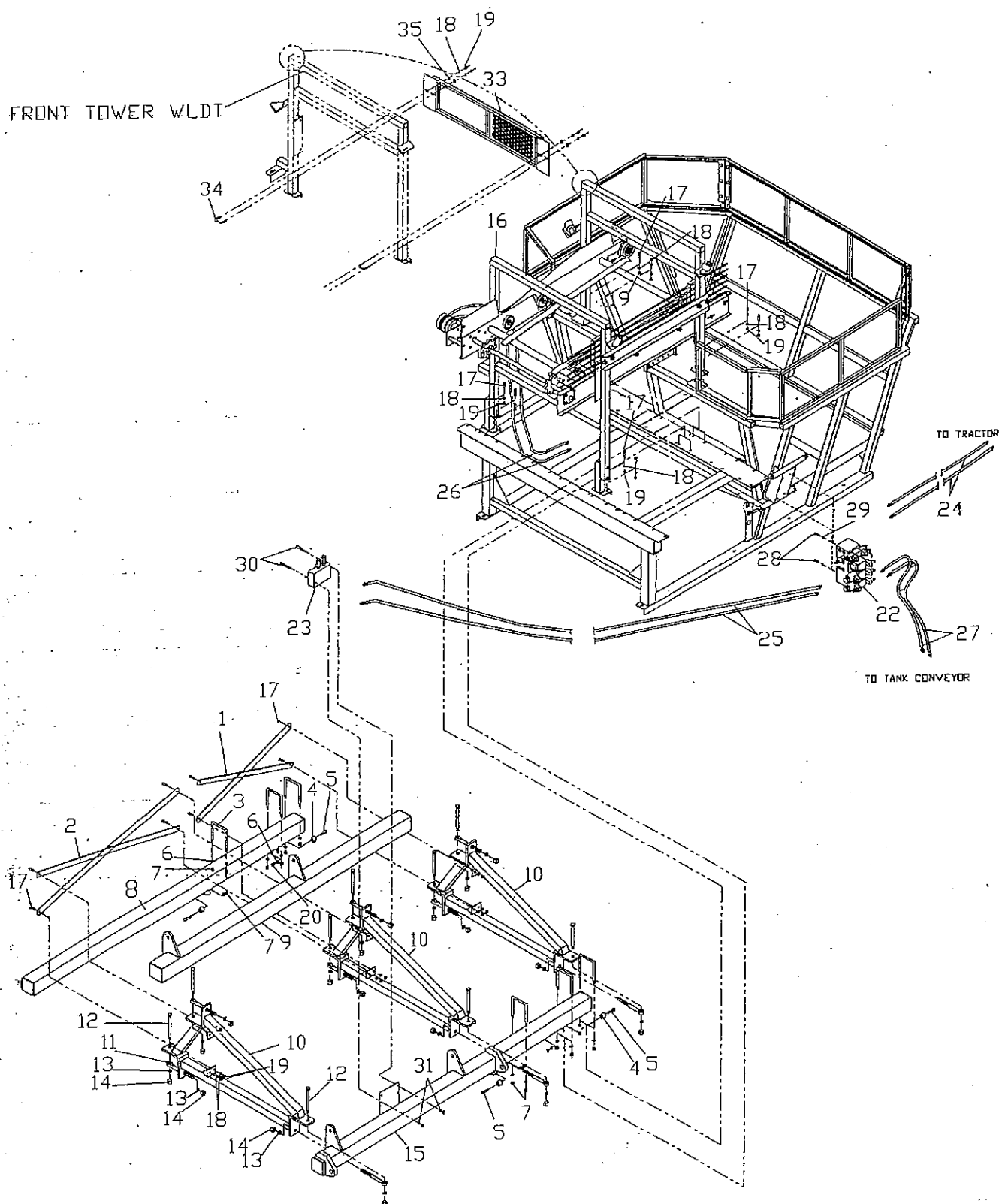
Item	Part Number	Qty.	Description
1	457730P	1	Valve, Solenoid
2	457690P	1	Regulator, Flow
3	457710P	1	Valve, Solenoid 4 Way
4	457680P	1	Valve, Relief
5	457700P	1	Valve, Solenoid
6	457670P	1	Valve, Solenoid
7	460330P	1	Valve, Solenoid 4 Way
8	457720P	1	Plug, Closed Center (Not Shown)
9	460340P	1	Body, Valve
10	460350P	1	Valve, Solenoid 4 Way (P-T) Blocked

CYLINDER FLOW DIVIDER WITH RELIEFS - 443690



Item	Part Number	Qty.	Description
1	457660P	1	Valve, Relief
2	457650P	1	Valve, Relief
3	457630P	1	Divider, Flow
4	-	1	Plug, NPT 1/16" with 3/64" Orifice
5	-	1	O-Ring, Flsh HD Plug -4
6	-	2	Plug, Permanent 7mm
7	457640P	1	Body, Valve

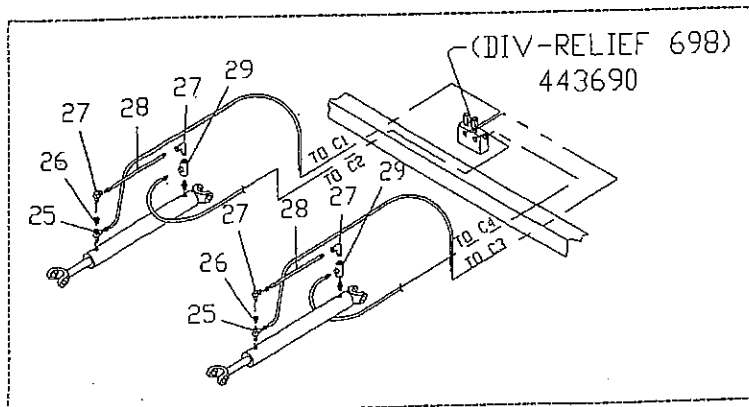
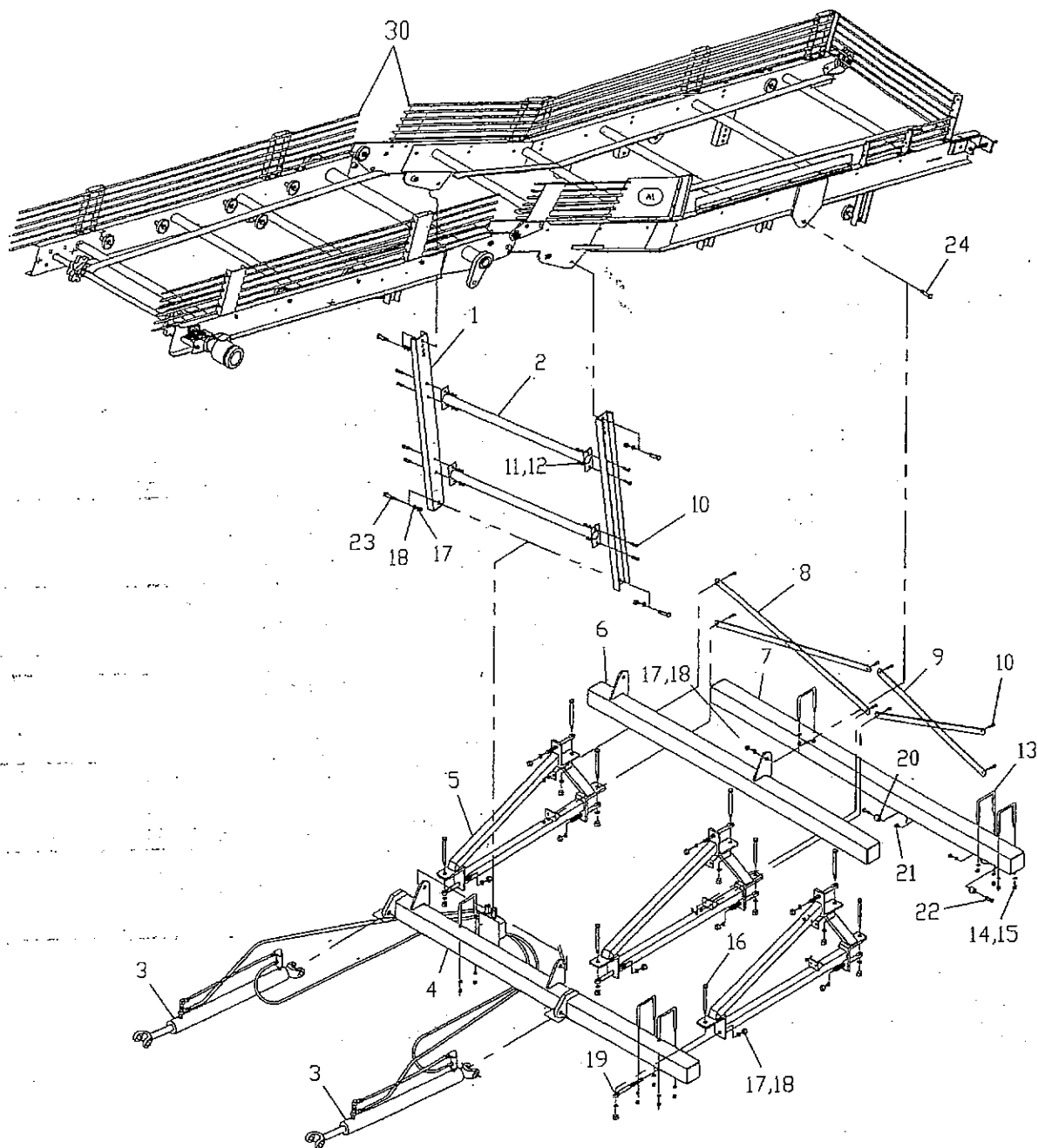
ELEVATOR MOUNTING PARTS - 440430



ELEVATOR MOUNTING PARTS - 440430

Item	Part Number	Qty.	Description
1	437500	2	Strap, X Brace (Short)
2	436430	2	Strap, X Brace (Long)
3	442820	6	Bolt, U 5/8"-11 x 4-1/16" x 5-1/2"
4	E126197	4	Bushing, 11/16" ID x 1-1/4" x 15/16"
5	990610	4	Bolt, HHCS 5/8"-11 x 1-1/2"
6	020440	16	Washer, Lock 5/8" Regular x 1-5/64" x 5/32"
7	I124589	16	Nut, Hex 5/8"-11
8	439760	1	Weldment, Tower Tube Left
9	437120	1	Weldment, Upper Elevator Mounting Tube
10	434010	3	Weldment, Elevator Support Frame
11	254320	9	Bolt, Eye 3/4"-10 x 6" Forged
12	036730	9	Bolt, HHCS 3/4"-10 x 6-1/2"
13	036800	18	Washer, Lock 3/4"
14	J14H794	18	Nut, Hex 3/4"-10
15	437110	1	Weldment, Lower Elevator Mounting Tube Right Hand
16	440440	1	Assembly, Tower and Tank Elevator
17	010730	16	Bolt, HHCS 1/2"-13 x 1-1/4"
18	005370	20	Washer, Lock 1/2"
19	005360	20	Nut, Hex 1/2"-13
20	V062140	4	Nut, Hex 5/8"-11 Jam Grade 2
21			
22	443680	1	Manifold, Main Valve 697
23	443690	1	Valve, Div-Relief 697
24	443700	2	Assembly, Hydraulic Hose 5/8" x 260" x 1/2" NPT
25	443710	2	Assembly, Hydraulic Hose 3/8" x 90" x 1/2" NPT
26	344400	2	Assembly, Hose 5/8" x 146" 1/2" NPT
27	443740	2	Assembly, Hydraulic Hose 5/8" x 60" 3/4" O-Ring
28	012260	4	Bolt, HHCS 3/8"-16 x 1"
29	021180	4	Washer, Lock 3/8" x 11/16" x 3/32"
30	009800	2	Bolt, HHCS 5/16"-18 x 2-1/2"
31	023620	2	Washer, Lock 5/16"
32	023630	2	Nut, Hex 5/16"-18
33	460060	1	Weldment, Tower Fence
34	290890	2	Bolt, U 1/2"-13 x 2-1/16" x 3"
35	005200	4	Washer, Flat 9/16" x 1-3/8" x 7/64"

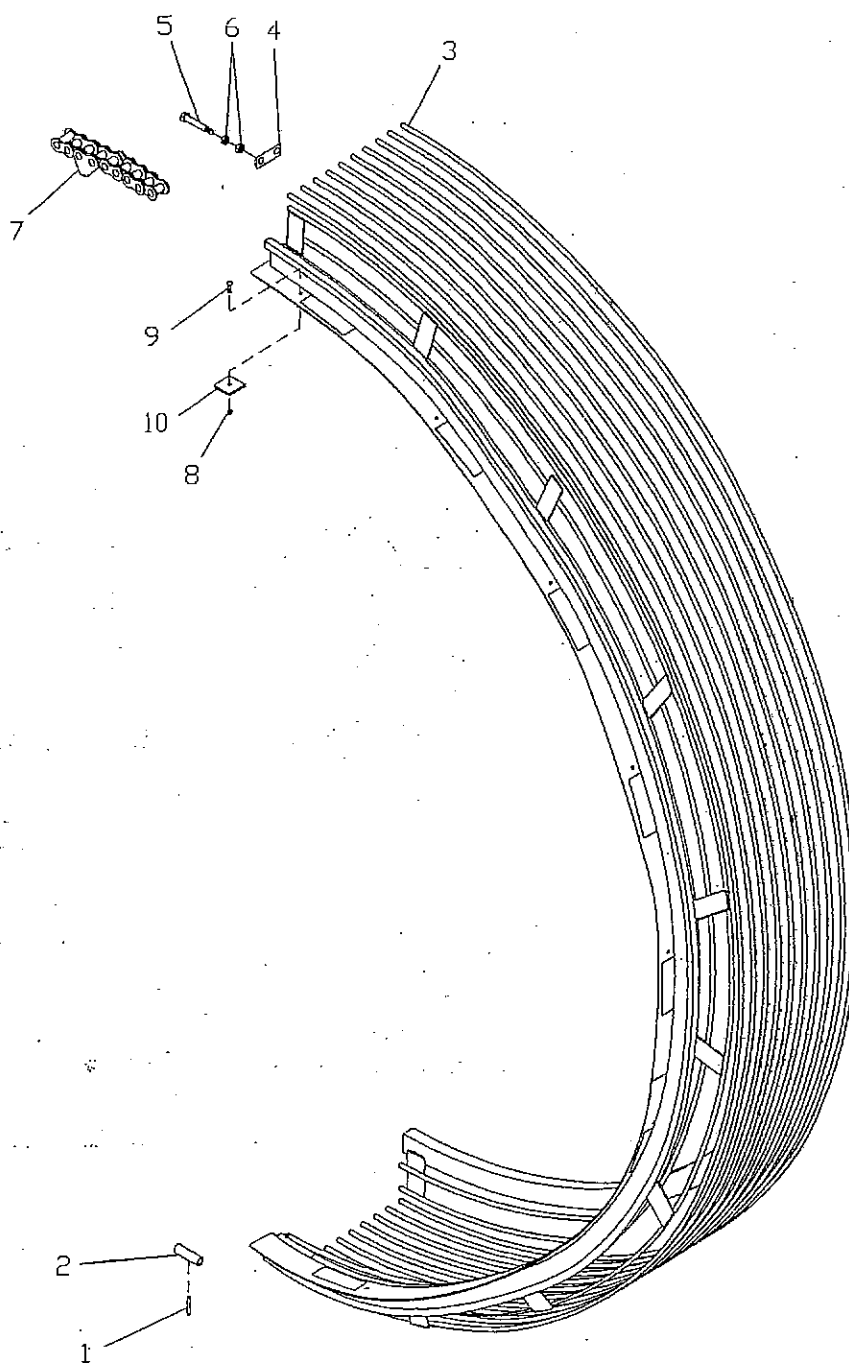
TRUCK ELEVATOR COMPLETION - 440450



TRUCK ELEVATOR COMPLETION - 440450

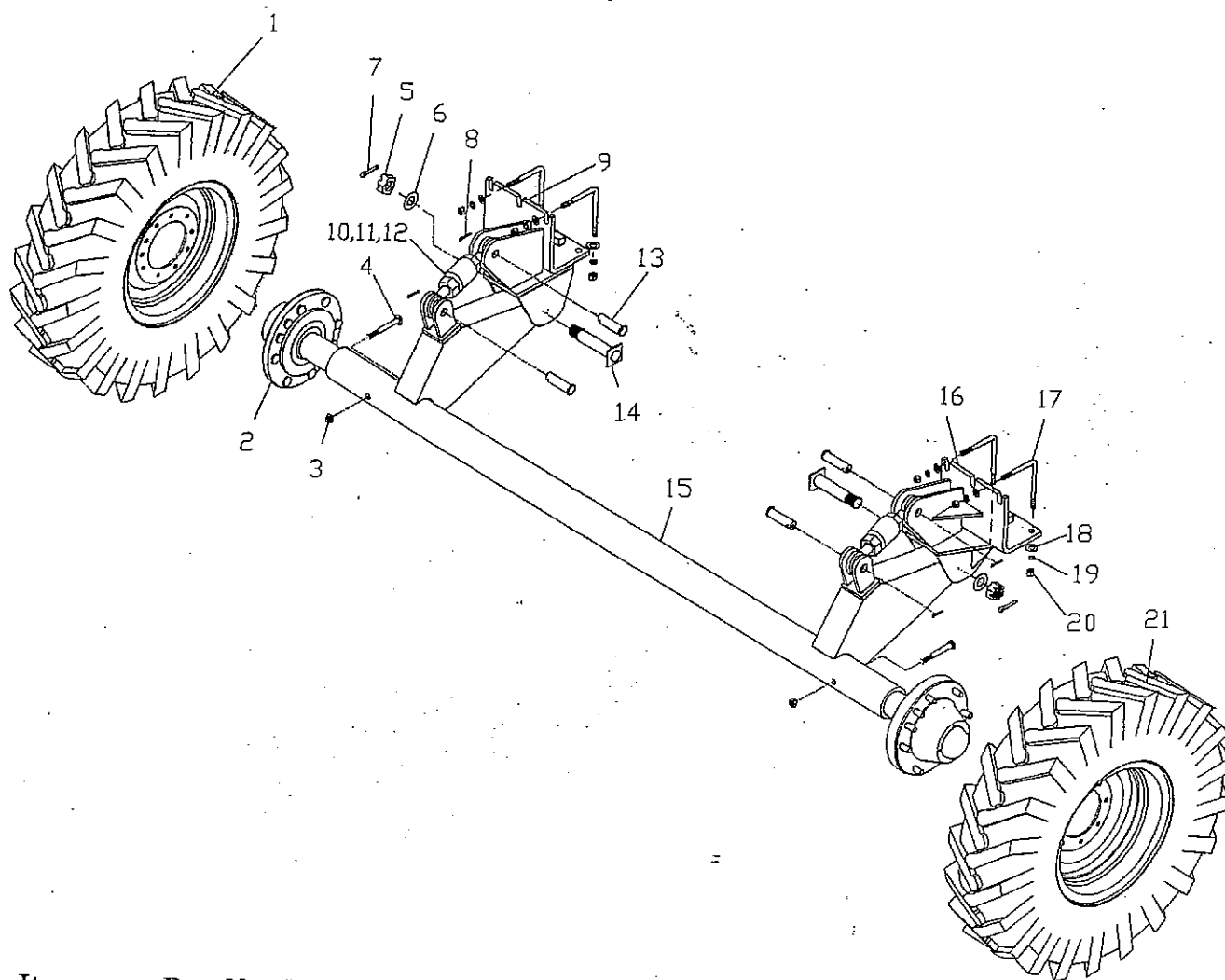
Item	Part Number	Qty.	Description
1	433500	2	Channel, Brace
2	434020	2	Weldment, Elevator Support Stiffener
3	256240	2	Cylinder, Hydraulic 3" x 30"
3	384840	1	Kit, Seal Cross Cylinder 3" x 30"
4	437110	1	Weldment, Lower Elevator Mounting Tube Right Hand
5	434010	3	Weldment, Elevator Support Frame
6	437120	1	Weldment, Upper Elevator Mounting Tube
7	439760	1	Weldment, Tower Tube Left
8	436430	2	Strap, X Brace (Long)
9	437500	2	Strap, X Brace (Short)
10	010730	24	Bolt, HHCS 1/2"-13 x 1-1/4"
11	005370	24	Washer, Lock 1/2"
12	005360	24	Nut, Hex 1/2"-13
13	442820	6	Bolt, U 5/8"-11 x 4-1/16" x 5-1/2"
14	020440	16	Washer, Lock 5/8" Regular x 1-5/64" x 5/32"
15	I124589	12	Nut, Hex 5/8"-11
16	036730	9	Bolt, HHCS 3/4"-10 x 6-1/2"
17	J14H794	24	Nut, Hex 3/4"-10
18	036800	24	Washer, Lock 3/4"
19	254320	9	Bolt, Eye 3/4"-10 x 6" Forged
20	E126197	4	Bushing, 11/16" ID x 1-1/4" x 15/16"
21	V062140	4	Nut, Hex 5/8"-11 Jam Grade 2
22	990610	4	Bolt, HHCS 5/8"-11 x 1-1/2"
23	1769804	4	Bolt, HHCS 3/4"-10 x 1-3/4"
24	990560	2	Bolt, HHCS 3/4"-10 x 2-1/2"
25	274410	1	Tee, Street 1/2"-14 NPTF
26	277780	1	Bushing, Hydraulic Reducer 1/2" x 1/4" NPTF
27	V612024	4	Fitting, 90° Swivel
28	401180	2	Hose, Hydraulic 1/4" x 34" 100R1
29	407500	1	Valve, Pilot Check
30	440190	1	Assembly, Elevator

FERRIS WHEEL & DRIVE - 438840



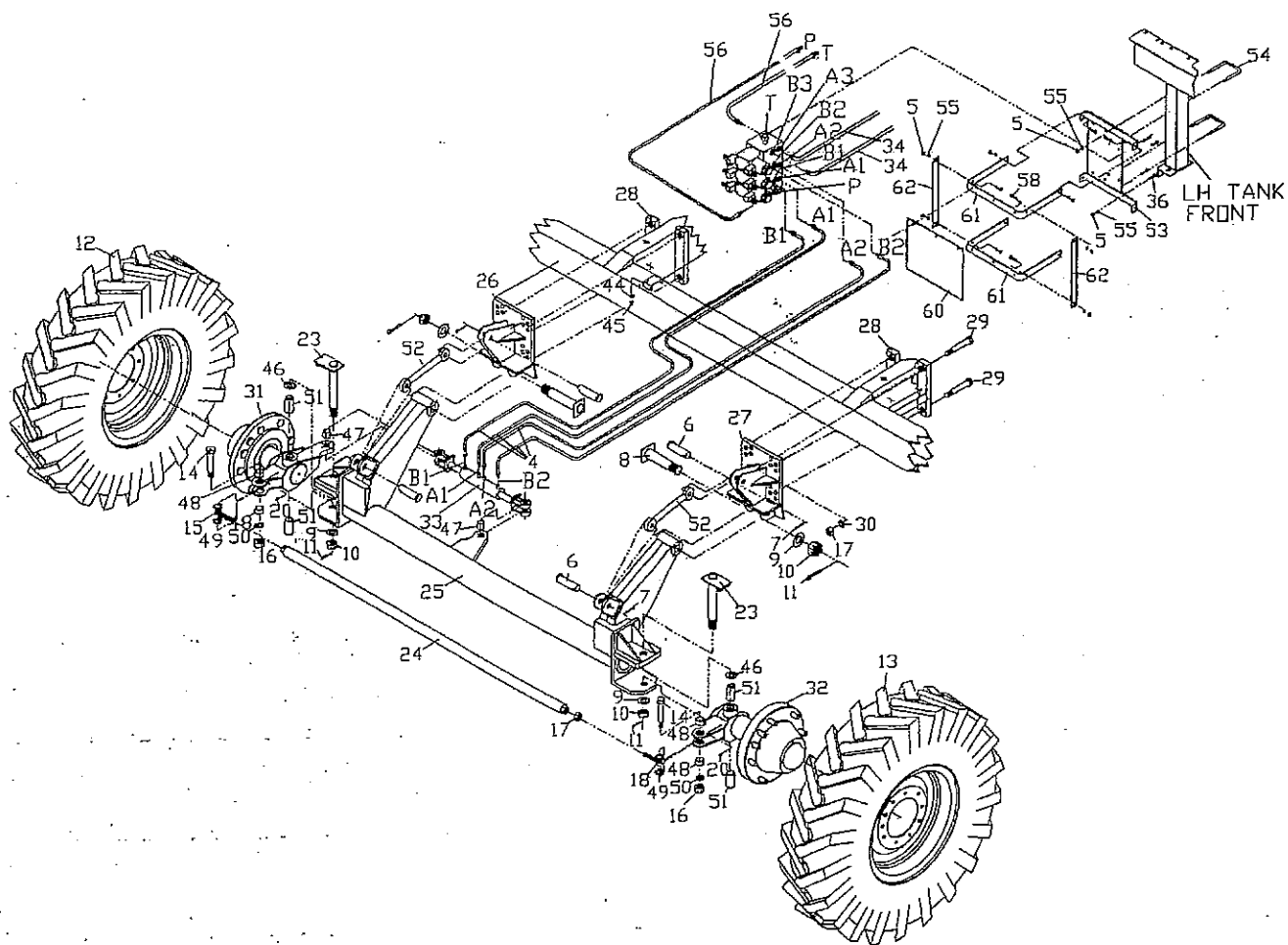
Item	Part Number	Qty.	Description
1	012560	28	Pin, Expansion 3/16" x 1"
2	431860	28	Connector, Wheel Rod
3	431750	2	Weldment, Wheel Half
4	JN145108	12	Strap, Rocker
5	J19H2969	12	Bolt, HHCS 5/8"-11 x 3-1/2" Grade 8
6	1121555	24	Nut, Hex 5/8"-11 Jam
7	433700	1	Assembly, Wheel Drive Chain
8	020190	18	Nut, Lock 5/16"-18 Hex Flange
9	254060	18	Bolt, Carriage 5/16"-18 x 1"
10	JN144807	18	Block, Replacement
	438850	1	Kit, Wheel Cleaner Flap

CARRIER WHEELS, FIXED - 432510



Item	Part Number	Qty.	Description
1	440870	1	Assembly, Tire and Wheel Left Hand
2	442790	2	Assembly, Hub and Spindle
3	E552046	2	Nut, Lock 5/8"-11 Hex Grade A
4	990680	2	Bolt, HHCS 5/8"-11 x 5-1/2"
5	E552084	2	Nut, Hex 1-1/2"-6 Slotted
6	V063596	2	Washer, Flat 1-1/2"
7	E580042	2	Pin, Cotter 3/16" x 3"
8	003950	4	Pin, Cotter 3/16" x 2"
9	432530	1	Weldment, Carrier Support Left Hand
10	436850	2	Weldment, Carrier Jack
11	437330	2	Weldment, Tie Rod Left Hand
12	437340	2	Weldment, Tie Rod Right Hand
13	E580182	4	Pin, Clevis 1-1/8" x 4"
14	430260	2	Weldment, Pin 1-1/2" x 7-5/8"
15	432520	1	Weldment, Carrier Main
16	432540	1	Weldment, Carrier Support Right Hand
17	403860	6	Bolt, L 3/4" x 6-7/8" x 8-3/4"
18	J24H1401	6	Washer, Flat 25/32" x 1-3/4" x 3/16"
19	036800	12	Washer, Lock 3/4"
20	J14H794	12	Nut, Hex 3/4"-10
21	440880	1	Assembly, Tire and Wheel Right Hand

CARRIER WHEELS, STEERABLE - 468560

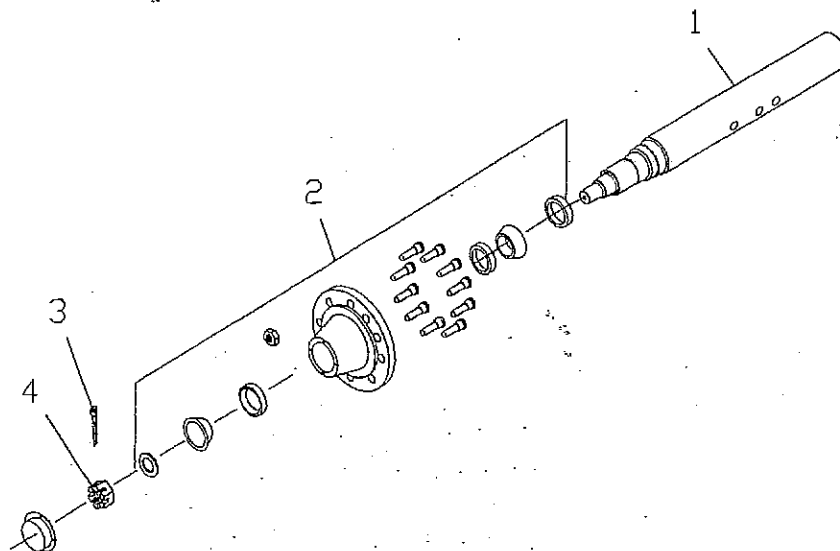


Item	Part Number	Qty.	Description
1	V061921	1	Nut, Hex 1-1/2"-6 Right Hand Grade 2
2	-	-	-
3	-	-	-
4	466730	4	Hose, Hydraulic 1/2" x 78"
5	032370	19	Nut, Hex 3/8"-16
6	E580182	4	Pin, Clevis 1-1/8" x 4"
7	003950	4	Pin, Cotter 3/16" x 2"
8	430260	2	Pin Weldment, 1-1/2" x 7-5/8"
9	V063596	4	Washer, Flat 1-1/2" x 3" x 5/32"
10	E552084	4	Nut, Hex 1-1/2"-6 Slotted
11	E580042	4	Pin, Cotter 3/16" x 3"
12	440870	1	Assembly, Tire and Wheel Left Hand
13	440880	1	Assembly, Tire and Wheel Right Hand

CARRIER WHEELS, STEERABLE - 468560

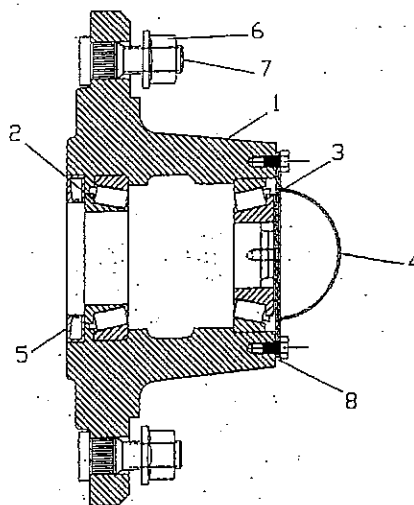
Item	Part Number	Qty.	Description
14	990940	2	Bolt, HHCS 1/8"-7 X 6"
15	459880	1	Weldment, Tie Rod Left Hand
16	V061944	2	Nut, Hex 1-1/8"-7
17	J14H805	8	Nut, Hex 1"-8
18	459870	1	Weldment, Tie Rod Right Hand
19	-	-	-
20	049180	2	Zerk, 1/4"-28 Tapered Thread Lube
21	-	-	-
22	-	-	-
23	466440	2	Weldment, King Pin
24	459340	1	Weldment, Tie Rod
25	466280	1	Weldment, Carrier Steerable
26	466490	1	Weldment, Carrier Support Left Hand
27	466500	1	Weldment, Carrier Support Right Hand
28	E174044	4	Clamp, Plate
29	458530	8	Bolt, HHCS 1"-8 x 7-1/2"
30	003350	8	Washer, Lock 1"
31	466380	1	Assembly, Hub and Spindle Steerable Left Hand
32	466390	1	Assembly, Hub and Spindle Steerable Right Hand
33	445680	1	Cylinder, Double Acting 3-1/2" x 4" 447210 SEAL KIT
34	466740	2	Hose, Hydraulic 1/2" x 180"
35	-	-	-
36	991150	4	Bolt, HHCS 3/8"-16 x 4"
37	-	-	-
38	-	-	-
39	277340	2	Adapter, Elbow 90° Street 3/4" ORB x 1/2" NPTF
40	-	-	-
41	-	-	-
42	-	-	-
43	-	-	-
44	-	-	-
45	-	-	-
46	466400	2	Washer, Flat 1-17/32" x 3" x 9/64 HD
47	I64601C1	2	Bushing, Steel 1-1/4" x 1" x 1"
48	459330	4	Bushing, Steel 1-3/8" x 1-1/8" x 3/4"
49	466410	4	Seal, Tie Rod Ball
50	E829100	2	Washer, Flat 1-1/8"
51	466450	4	Bushing, Steel 1-3/4" x 1-1/2" x 2-1/2"
52	466550	2	Strut Weldment, Carrier
53	466690	1	Mount Weldment, Valve
54	466570	2	Bolt, U 3/8"-16 x 3-1/16" x 4"
55	021180	19	Washer, Lock 3/8" x 11/16" x 3/32"
56	466750	2	Hose, Hydraulic 5/8" x 300"
57	466760	1	Assembly, Steering Valve Manifold
58	006690	11	Bolt, HHCS 3/8"-16 x 1-1/4"
59	021190	3	Washer, Flat 7/16" x 1" x 5/64"
60	442880	1	Flap, Valve
61	442890	2	Bracket, Formed Flap
62	466680	2	Support, Flap Valve
63	466700	1	Flap

HUB & SPINDLE ASSEMBLY - 442790



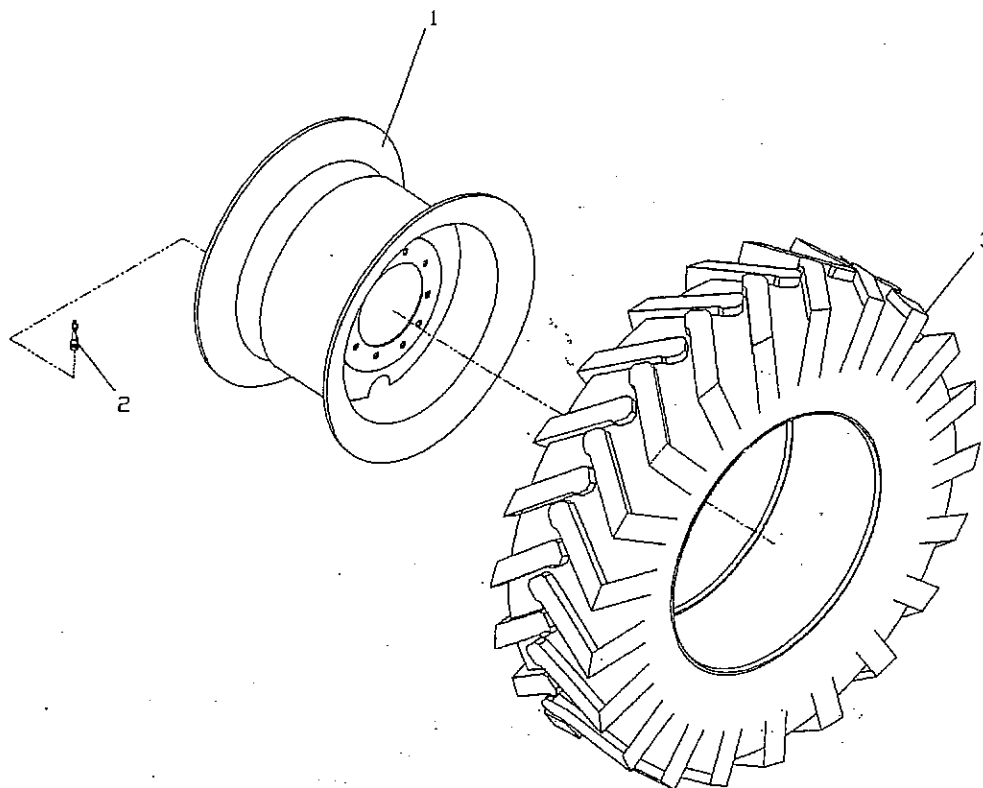
Item	Part Number	Qty.	Description
1	431950	1	Spindle, Machined
2	431990	1	Assembly, Hub 11-1/4 BC 10 Bolt 11.25-8.7
3	114370	1	Pin, Cotter 1/4" x 2"
4	340320	1	Nut, Hex 1-1/4"-12 Slotted Flange Grade 8

HUB ASSEMBLY - 431990



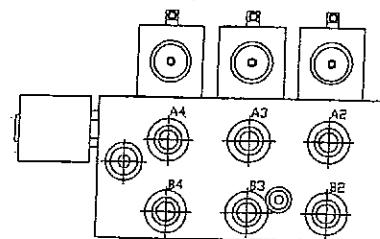
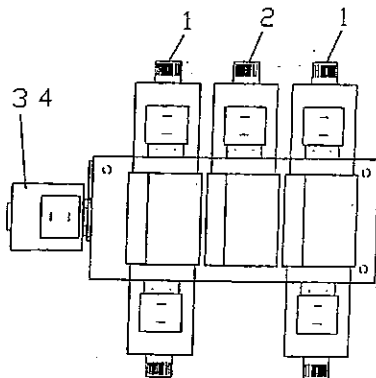
Item	Part Number	Qty.	Description
1	455680P	1	Assembly, Hub with Cups and Studs
2	455710P	1	Bearing, Cone 39585
3	G202643P	1	Bearing, Cone 460
4	455720P	1	Cap, Hub
5	455730P	1	Seal, Grease
6	455740P	10	Nut, Flange 3/4"-16 Hub
7	455700P	10	Bolt, Stud 3/4"-16
8	455750P	1	Gasket, Hub for 431990
9	455690P	1	Cup, Bearing 453A
10	V241097P	1	Cup, Bearing Output 39520

TIRE & WHEEL ASSEMBLY - 440880



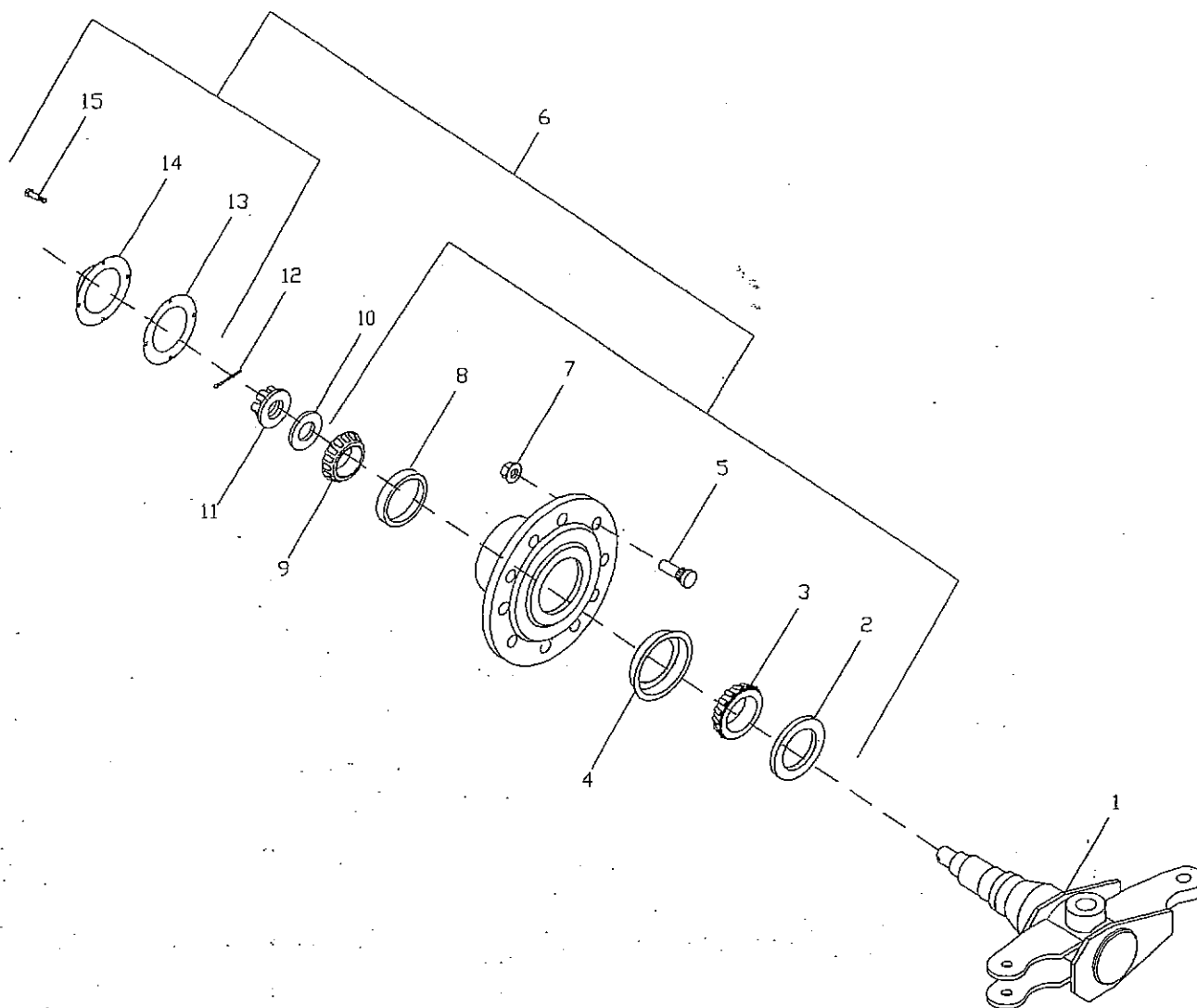
Item	Part Number	Qty.	Description
1	463790	1	Wheel, 10 Hole W18C x 16.1 (Right Hand Mounting Shown)
2	164420	1	Valve, Stem with Core and Cap
3	463630	1	Tire, 21.5L - 16.1 14 Ply Power Implement

STEERING VALVE - 466760



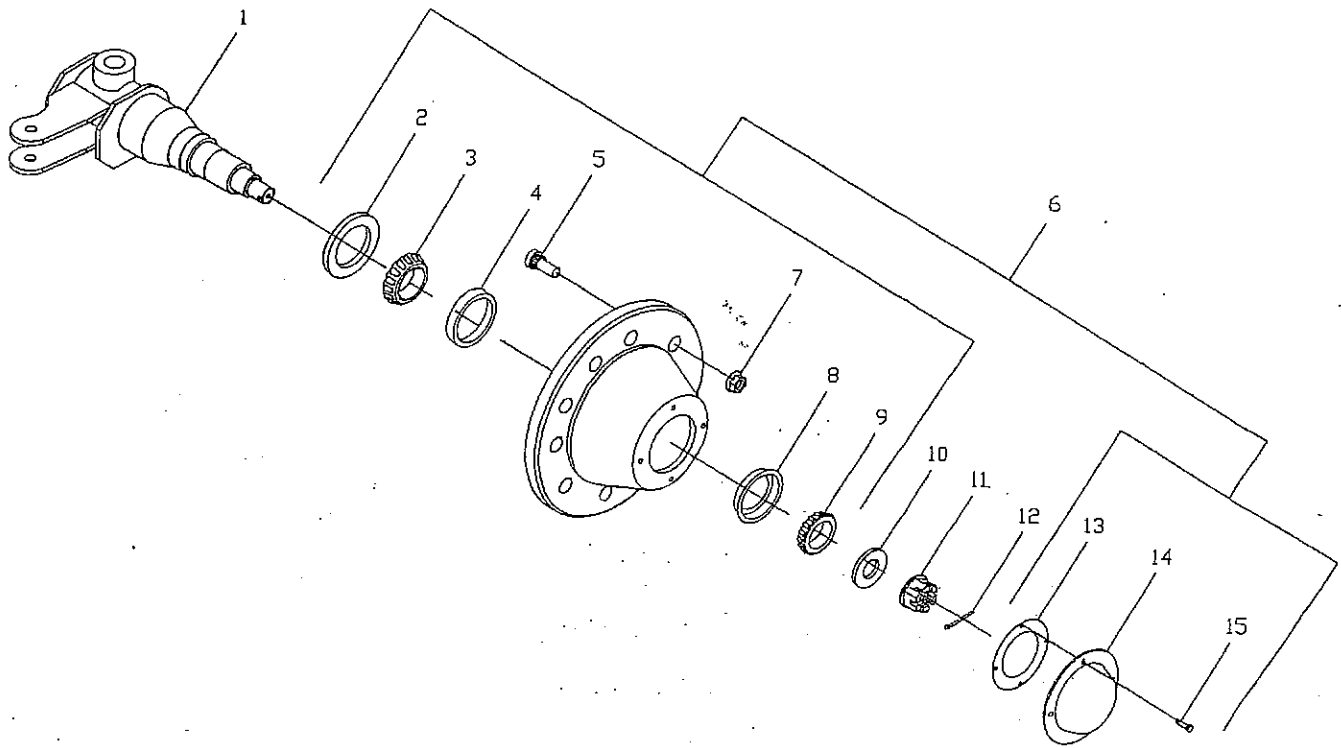
Item	Part Number	Qty.	Description
1	467300P	2	Valve, 4-Way Solenoid
2	467310P	1	Valve, 4-Way Solenoid
3	467320P	1	Valve, Solenoid
4	467330P	1	Coil
5	473110P	1	Plug, Open Center (Not Shown)
6	467340P	1	Body, Coil

HUB & SPINDLE ASSEMBLY LH, STEERABLE - 466380



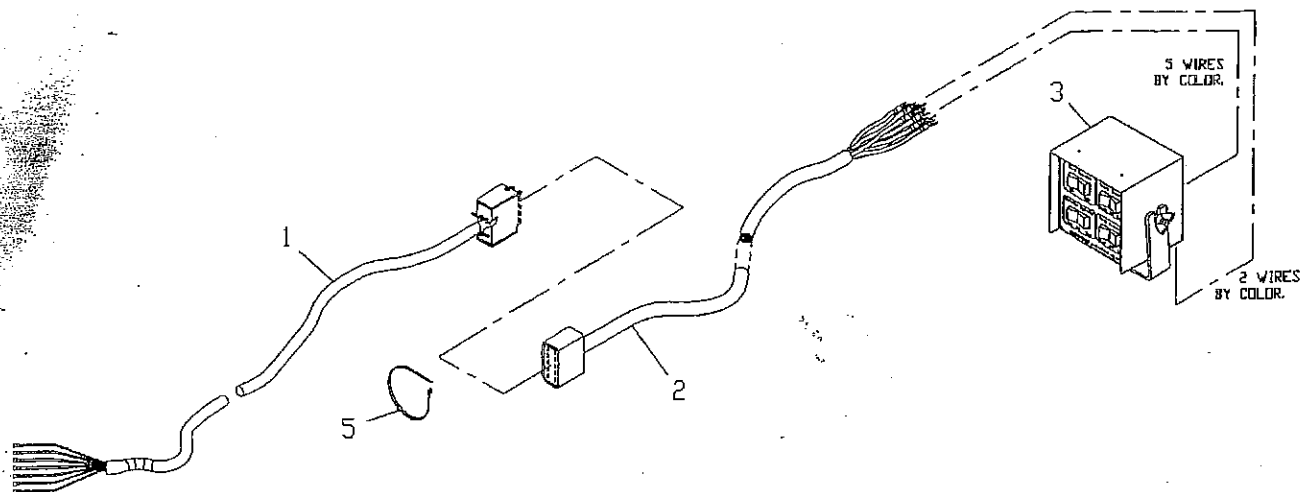
Item	Part Number	Qty.	Description
1	466370	1	Weldment, Spindle Left Hand
2	445730P	1	Seal, Grease 3" Dia. Shaft
3	455710	1	Bearing, Cone 39585
4	V241097P	1	Cup, Bearing Output 39520
5	455700P	10	Bolt, Stud 3/4"-16
6	431990	1	Assembly, Hub
7	455740	10	Nut, Flange 3/4"-16 Hub
8	455690	1	Cup, Bearing 453A
9	G202643	1	Bearing, Cone 460
10	1100925	1	Washer, Flat 1-1/4"
11	340320	1	Nut, Flange
12	114370	1	Pin, Cotter 1/4" x 2"
13	455750P	1	Gasket, Hub for 431990
14	445720P	1	Cap, Hub Bolt On
15	136470	4	Bolt, HHCS 5/16"-18

HUB & SPINDLE ASSEMBLY RH, STEERABLE - 466390



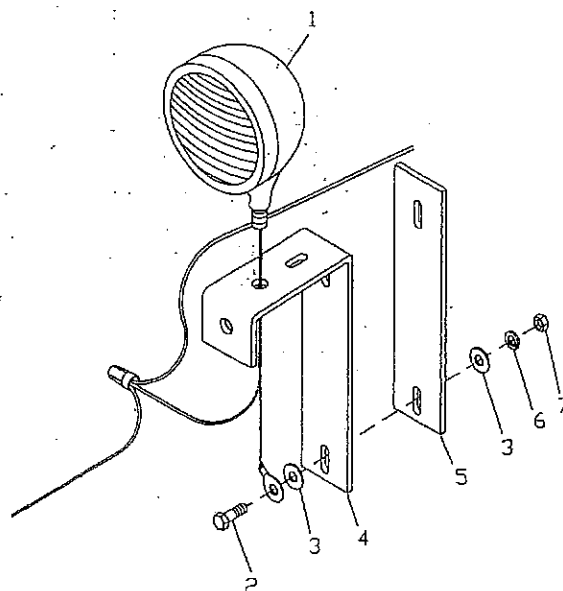
Item	Part Number	Qty.	Description
1	466360	1	Weldment, Spindle Right Hand
2	445730P	1	Seal, Grease 3" Dia. Shaft
3	455710	1	Bearing, Cone 39585
4	V241097P	1	Cup, Bearing Output 39520
5	455700P	10	Bolt, Stud 3/4"-16
6	431990	1	Assembly, Hub
7	455740P	10	Nut, Flange 3/4"-16 Hub
8	455690P	1	Cup, Bearing 453A
9	G202643	1	Bearing, Cone 460
10	1100925	1	Washer, Flat 1-1/4"
11	340320	1	Nut, Flange
12	114370	1	Pin, Cotter 1/4" x 2"
13	455750P	1	Gasket, Hub for 431990
14	445720P	1	Cap, Hub Bolt On
15	136470	4	Bolt, HHCS 5/16"-18

WIRING, STEERING VALVE & CONTROL - 467080



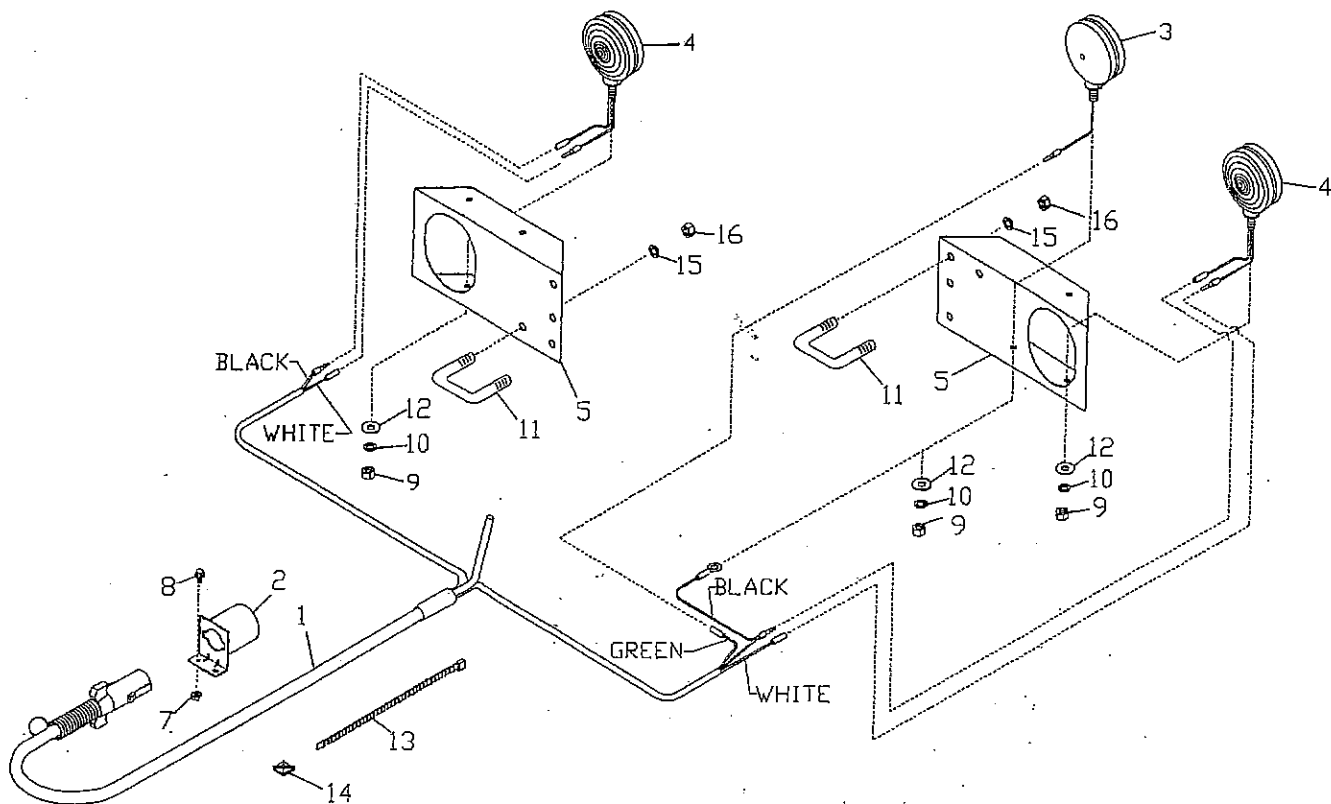
Item	Part Number	Qty.	Description
1	466600	1	Harness, Main Valve
2	434250	1	Cord, Control Remote Box
3	466610	1	Assembly, Control Box
4	041340	1	Box, 24" x 7-1/2" x 7-1/2"
5	149670	12	Tie, Nylon Cable 3/16" x 11"

LIGHT PACKAGE - 270310



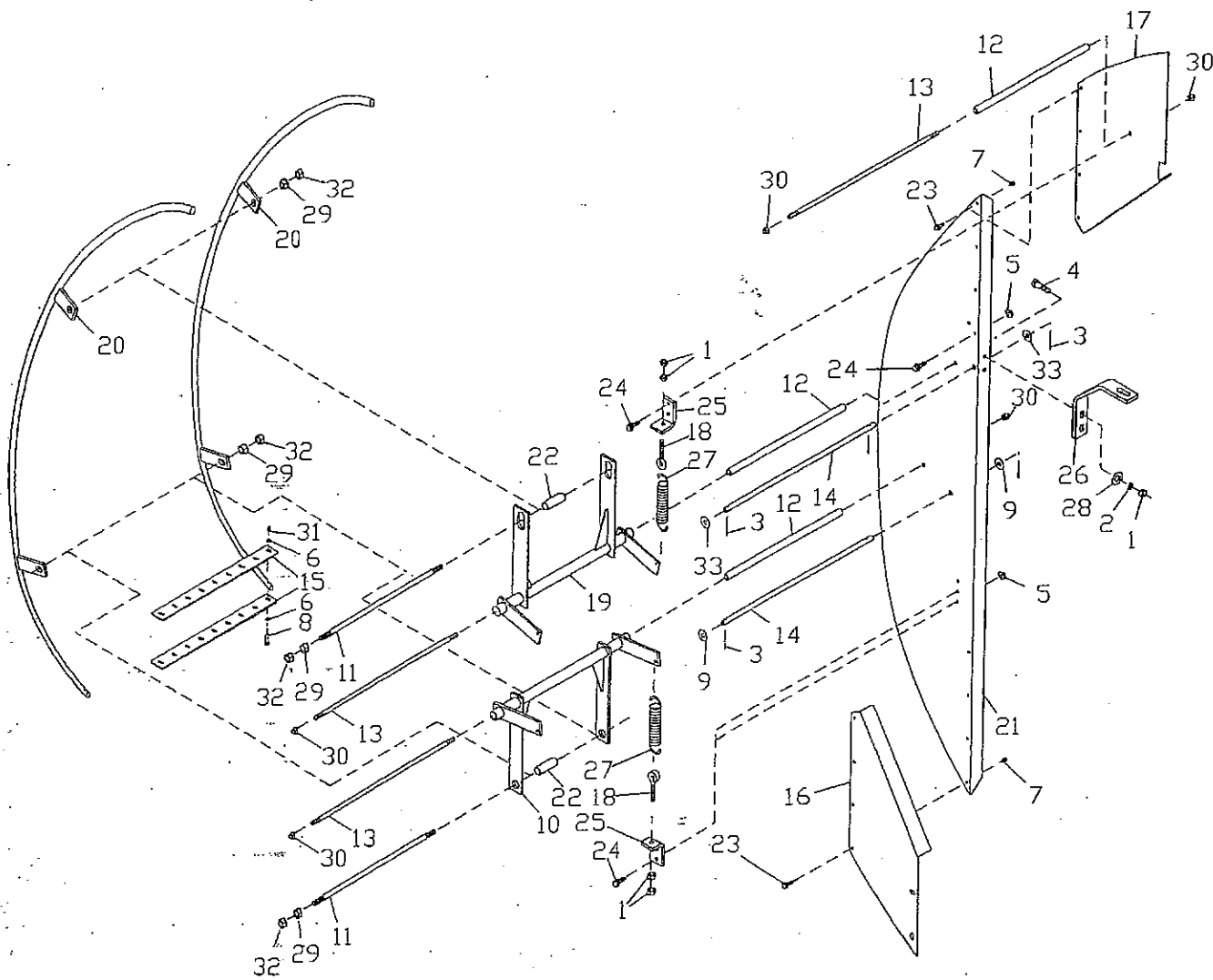
Item	Part Number	Qty.	Description
1	242110	3	Lamp, 12 volt Horizontal Mount Halogen
2	011370	-	Bolt, HHCS 3/8" x 1-1/2"
3	021190	-	Washer, Flat 3/8"
4	236250	3	Bracket, Light Mounting
5	236260	2	Bar, Light Bracket Back Up
6	021180	-	Washer, Lock 3/8"
7	027260	-	Nut, Hex 3/8"

ROAD HAZARD LIGHTS ASSEMBLY - 386270



Item	Part Number	Qty.	Description
1	386280	1	Assembly, Light Harness Harvester
2	JPT1296	1	Bracket, Storing Plug
3	350150	1	Assembly, Red Tail Light
4	350160	2	Assembly, Amber Hazard Light
5	420250	2	Bracket, Warning Lights
6	386290	1	Bag, Hardware Light Kit
7	027660	2	Nut, Hex 1/4"-20
8	J37H3	2	Screw, Hex 1/4"-20 x 5/8" Self-Tapping
9	027260	6	Nut, Hex 3/8"-16
10	021180	6	Washer, Lock 3/8" x 11/16" x 3/32"
11	290890	2	Bolt, U 1/2"-13 x 2-1/16" x 3"
12	I120394	3	Washer, Flat 13/32" x 13/16" x 3/64"
13	149670	10	Tie, Nylon Cable 3/16" x 11"
14	JAT55441	8	Mount, Cable Tie (379570)
15	005370	4	Washer, Lock 1/2"
16	005360	4	Nut, Hex 1/2"-13

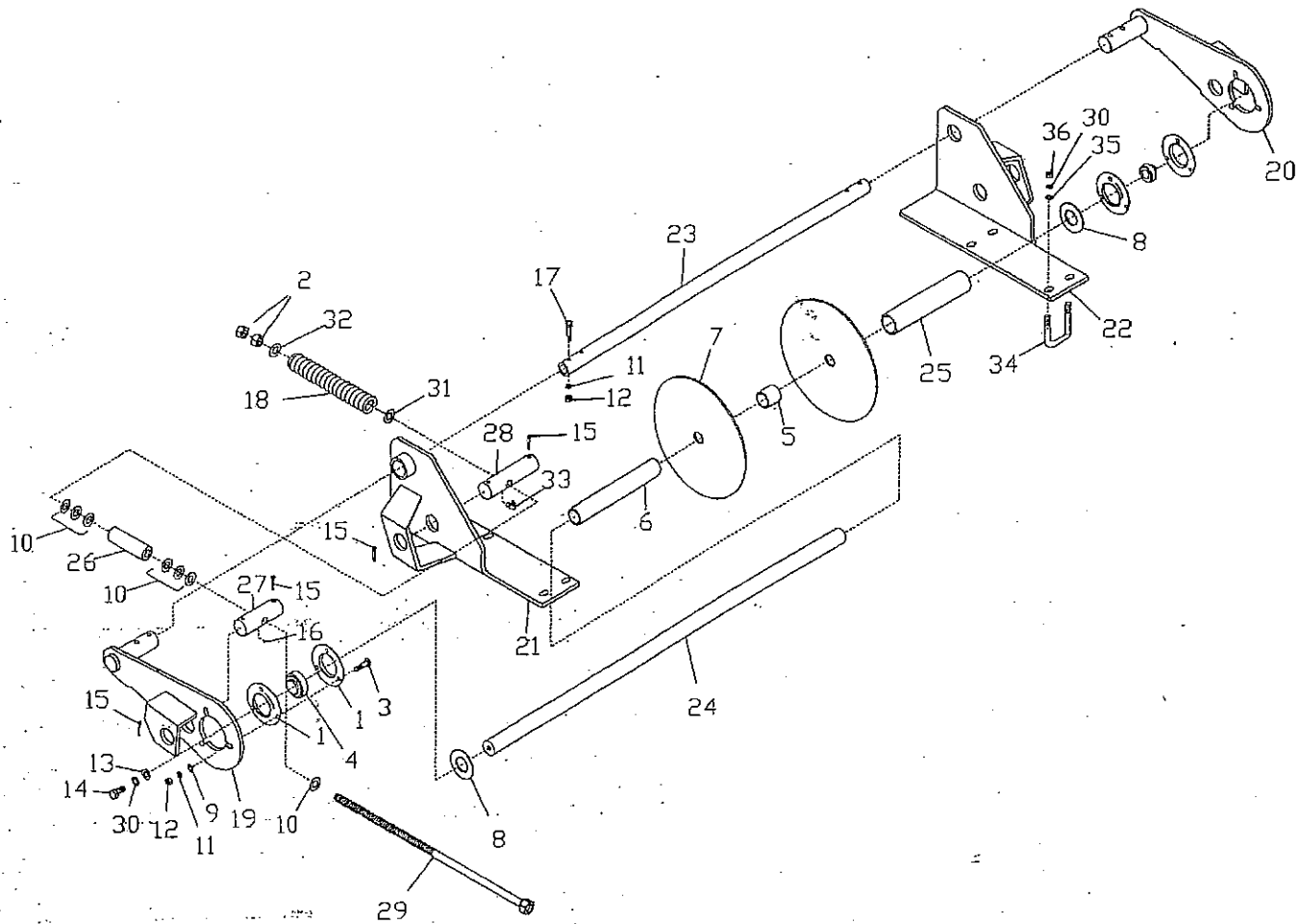
RETAINER ASSEMBLY - 433080



RETAINER ASSEMBLY - 433080

Item	Part Number	Qty.	Description
1	005360	16	Nut, Hex 1/2"-13
2	005370	8	Washer, Lock 1/2"
3	012550	4	Pin, Expansion 1/4" x 1-1/4"
4	014770	8	Bolt, HHCS 1/2"-13 x 1-1/2"
5	020180	10	Nut, Lock 3/8"-16 Hex Flange
6	021190	20	Washer, Flat 7/16" x 1" x 5/64"
7	025670	14	Nut, Lock 5/16"-18 Hex
8	029930	10	Bolt, HHCS 3/8"-16 x 2-1/4"
9	035210	2	Washer, Flat 21/32" x 1-5/16" x 3/32"
10	433070	1	Assembly, Retainer Pivot
11	433010	2	Rod, Retainer Support 5/8" x 23-5/16"
12	433050	3	Spacer, 7/8" x 9/16" x 25-1/2"
13	433040	3	Rod, Retainer Pivot 1/2" x 27-1/2"
14	433030	2	Rod, Retainer Stop 7/8" x 27-1/2"
15	433020	2	Strap, Retainer
16	433370	1	Hopper, Side Lower Right Hand
16	433380	1	Hopper, Side Lower Left Hand
17	420320	1	Weldment, Upper Retainer Side Left Hand
17	414860	1	Weldment, Upper Retainer Side Right Hand
18	290930	4	Bolt, Eye 1/2" x 3-1/2"
19	433060	1	Weldment, Upper Retainer Pivot
20	290960	10	Weldment, Retainer Rod
21	342600	1	Weldment, Retainer Side Left Hand
21	342610	1	Weldment, Retainer Side Right Hand
22	J28H2612	16	Spacer, Black Pipe 3/4" x 2" S80
23	JN10212	14	Screw, Hex 5/16"-18 x 3/4" Flange
24	JN10214	10	Bolt, Hex 3/8" x 1" Flange Lock
25	JN144004	4	Bracket, Spring
26	JN144650	2	Bracket, Retainer
27	394890	4	Spring, Extension 2-13/64" OD x 10-7/16" CL
28	I120396	8	Washer, Flat 17/32" x 1-1/16" x 5/16"
29	I124589	4	Nut, Hex 5/8"-11
30	I9413967	6	Nut, Lock 1/2"-13 Hex CAD 2-way Plated
31	I9411655	10	Nut, Lock 3/8"-16 Hex
32	038850	4	Nut, Lock 5/8"-11 Hex 2-way
33	I21471R1	2	Washer, Flat 21/32" x 1" x 1/8"

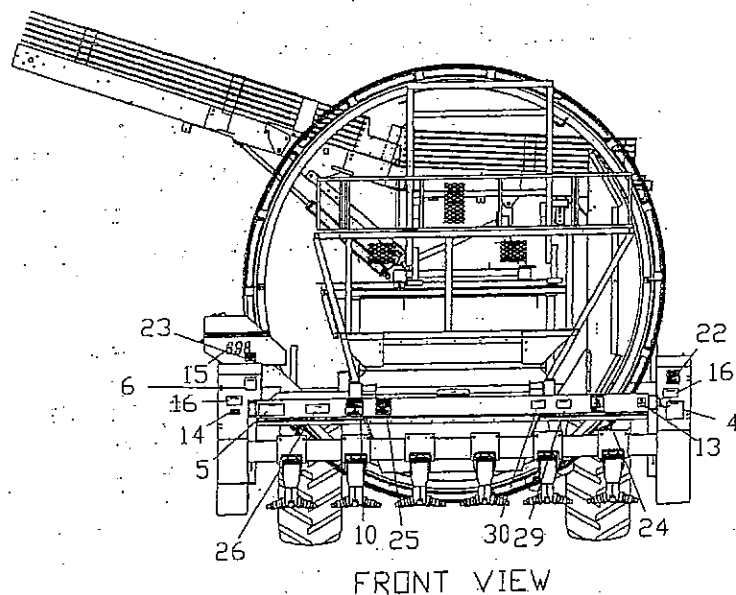
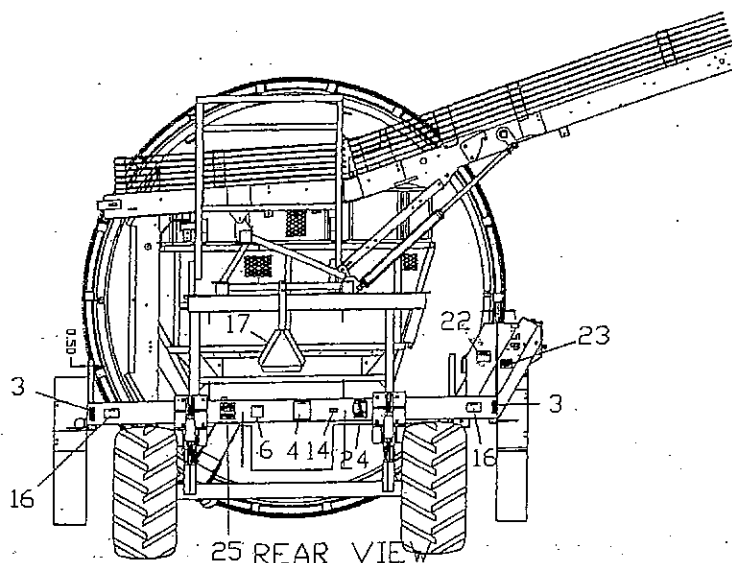
STRIPPER - 432550



STRIPPER - 432550

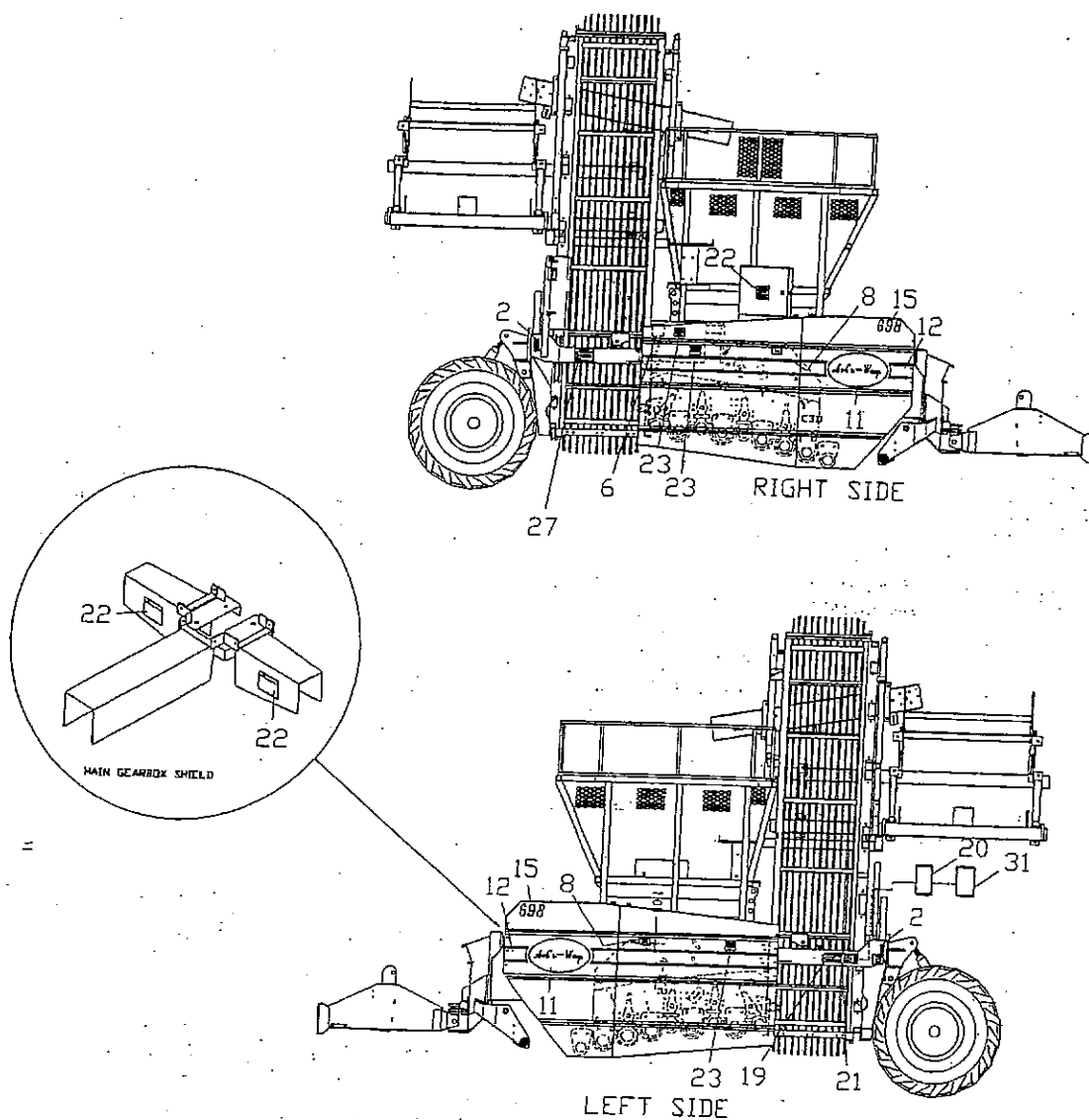
Item	Part Number	Qty.	Description
1	E281004	4	Bearing, Flange 3 Hole Round 72 mm
2	I124589	4	Nut, Hex 5/8"-11
3	J03H1558	6	Bolt, Carriage 3/8"-16 x 1-1/2"
4	JJD9275	2	Bearing, Ball 1-3/8" x 2-53/64" x 3/4"
5	432590	10	Spacer, Rotary Stripper
6	432570	1	Spacer, 1-57/64" OD x 1-33/64" ID 10-55/64"
7	JN144896	11	Disk, Rotary Stripper
8	R61502	2	Washer, Flat 1-1/2" x 3-1/4" x 11/64"
9	I120394	6	Washer, Flat 13/32" x 13/16" x 3/64"
10	020430	6	Washer, Flat 11/16" x 1-3/4" x 9/64"
11	021180	10	Washer, Lock 3/8" x 11/16" x 3/32"
12	023060	10	Nut, Lock 3/8"-16 Hex Disthreaded Grade 2
13	I486801R1	2	Washer, Flat 17/32" x 2" x 1/4"
14	010730	2	Bolt, HHCS 1/2"-13 x 1-1/4"
15	114370	8	Pin, Cotter 1/4" x 2"
16	115590	2	Zerk, 1/4"-28 Taper Self-Tapping Straight
17	037630	4	Bolt, HHCS 3/8"-16 x 2-1/2"
18	258560	2	Spring, Compression 1-5/16" x 1-7/8"
19	415140	1	Weldment, Stripper Arm Right Hand
20	415150	1	Weldment, Stripper Arm Left Hand
21	415160	1	Weldment, Stripper Mount Right Hand
22	415170	1	Weldment, Stripper Mount Left Hand
23	432560	1	Tube, Torque Stripper
24	432580	1	Axle, Disk Mount Stripper
25	433090	1	Spacer, 1-29/32" OD x 1-33/64" ID x 9-3/64"
26	462130	2	Stop, Stripper Tube
27	415220	2	Pivot, Center Arm Stripper
28	415230	2	Pivot, Center Mount Stripper
29	415240	2	Weldment, Bolt Threaded 5/8"-11 x 23" x 12"
30	005370	4	Washer, Lock 1/2"
31	I21905R1	2	Washer, 21/32" x 1-3/4" x 1/4"
32	340310	2	Washer, Flat 21/32" x 2" x 1/4"
33	1100756	2	Zerk, 1/4"-28 90°
34	290890	2	Bolt, U 1/2"-13 x 2-1/16" x 3"
35	005200	4	Washer, Flat 9/16" x 1-3/8" x 7/64"
36	005360	4	Nut, Hex 1/2"-13

DECALS & PAINT



Item	Part Number	Qty.	Description
1	-	-	-
2	227420	2	Reflector, Amber 4-5/16" x 1-11/16"
3	227430	2	Reflector, Red 4-5/16" x 1-11/16"
4	368040	2	Decal, Caution 9 Instructions
5	467440	1	Decal, Danger
6	467410	3	Decal, Danger Rotating Rolls
7	-	-	-
8	289500	2	Decal, Idler Spring 4-1/2"
9	-	-	-
10	345420	1	Decal, Rowfinder Instructions
11	355450	2	Decal, Art's-Way Logo 20" Gold Metallic
12	355460	14'	Decal, Stripe Gold Metallic
13	355500	1	Tag, Serial Number Finished
14	402250	2	Decal, Patent Pending
15	460690	3	Decal, Model 698
16	467420	4	Decal, Warning

DECALS & PAINT



Item	Part Number	Qty.	Description
17	E224138	1	Decal, Slow Moving Vehicle
18	-	-	-
19	449190	1	Tube, Manual Holder
20	463150	1	Manual, Operators & Parts 698 Beet Harvester
21	455160	1	Clamp, Hose 2-3/8" To 3-3/4"
22	467450	5	Decal, Warning Moving
23	467430	5	Decal, Danger Shield
24	467400	2	Decal, Warning Thrown Objects
25	346310	2	Decal, Warning High Pressure
26	467460	1	Decal, Caution Hitching
27	467470	1	Decal, Warning Overhead
28	022010	-	Paint, Art's-Way Green - 1 Gallon
29	043120	-	Paint, Art's-Way Green - 16 oz. Spray Can
30	-	-	-
31	460010	1	Manual, PTO Safety

SPECIFICATIONS

GENERAL DESCRIPTION

Model

4 or 6 Row Rear Elevator Wheel, Tank Type Harvester.

Overall Dimensions

Transport: 13'8"H x 14'5"W x 23'5"L.
Operating: 14'4"H x 14'5"W x 23'5"L.
Machine Weight: 19,800 lbs. (approx.)
Tread Width: Adjustable to factory set row spacing.

Row Spacing

4 Rows: 28" or 30".
6 Rows: 22" or 24".
Operating Speed: 3.5 to 4.0 mph.
Lift and
Depth Control:* Hydraulic.
Steering Hitch
Control:** Hydraulic.

*Requires 5" x 8" remote cylinder.

**Requires 4" x 8" remote hydraulic cylinder.

Rear Wheels

Wide Tread Fixed or Steerable (optional) with heavy duty single axle.

Tires

Traction: 21.5L-16.1 14 Ply Power Implement wide floatation.
Operating pressure: 36 psi.

Lifter Wheels

(2 per row) 28" solid rim heavy duty cast steel.
(Optional) protected with rock cushions.

Lifter Struts

Heavy duty tapered bearings.

Lifter Wheel Scrapers

To prevent mud buildup on lifter wheels.

Paddle Shaft and Drive

Type: Three steel per row.
Drive: Heavy #80H roller chain with heavy duty slip clutch.

Center Gearbox

Type: Heavy, 1-3/4" diameter shafts.
Capacity: 5 quarts 90W gear oil.

Cleaning Bed and Drive

Size: 59 sq. ft. - Total roll bed area.
20 sq. ft. - Conveying rolls consisting of front smooth and first two spiral rolls.
39 sq. ft. - Grab rolls consisting of six rear rolls and two diverter rolls.

Type: Three 6-5/8" diameter spiraled grab rolls.

Two 5-1/2" diameter spiraled conveyor rolls.

Two spiraled diverter rolls at the rear of the cleaning bed.

Three 5" diameter smooth grab rolls.

One 5" diameter smooth conveyor roll.

Drive: Belt drive with spring loaded idlers. Split into two drives. Spiraled rolls driven from left hand side. Smooth rolls driven from right hand side.

Truck to Tank Loading Elevator

Size: Width, 40" 56 mm pitch belted chain.

Type: Electro-hydraulic valve and hydraulic motor driven belted chain, reversible for tank or truck loading, hydraulic fold down for transport.

Tank

Construction: Welded steel.

Capacity: 8,000 lbs.

Unloading: Two 30" wide, 5/8" dia. rods, hooked on draper chain.

PTO Drive

Type: Constant Velocity (CV) - allows turning without disengaging.

Operating Speed: 1000 rpm.

PTO Driveline 1-3/8" or 1-3/4" (Do not use adapter shaft).

TRACTOR REQUIREMENTS

Power Requirements

160 PTO hp Recommended (min.)

Remote Cylinders

(1) 4" x 8" and (1) 5" x 8"

Hydraulics Requirements

Tractors must be equipped with three remote hydraulic outlets, four remotes if equipped with steerable wheels. The tractor must be capable of supplying 22 gpm flow. If using the "Power Beyond", connect to the row finder.

PTO Shaft

Tractors must have 1-3/8" or 1-3/4" dia. 1000 rpm PTO shaft (Do not use an adapter shaft).

Front Ballast

Maximum tractor front ballast is required.

Electrical System

12-Volt.

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