

# TABLE OF CONTENTS

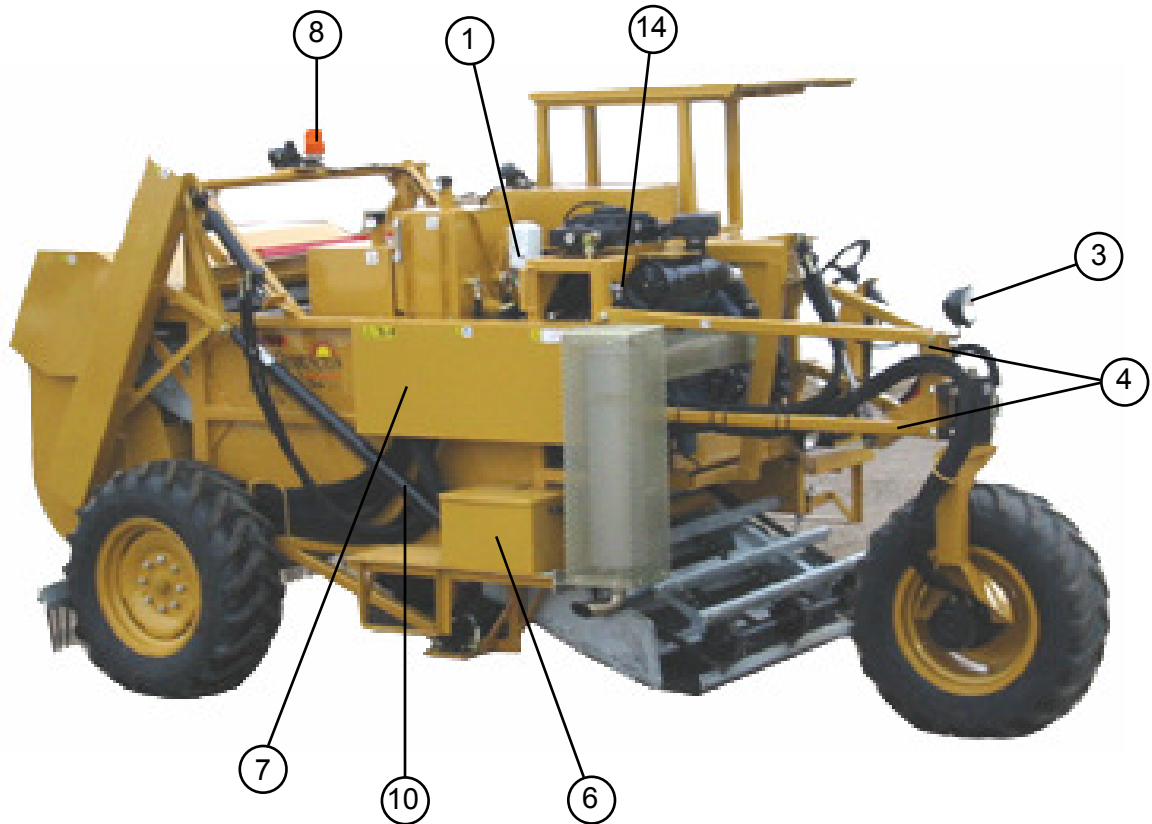
|                                          |       |
|------------------------------------------|-------|
| Table of Contents .....                  | 1     |
| Overall Machine Legend.....              | 2-5   |
| Engine/Pump/Radiator (754TE2) .....      | 6-7   |
| Transmission/Drive Coupling Assy .....   | 8     |
| Air Cleaner.....                         | 9     |
| Exhaust System.....                      | 10    |
| Exhaust Shielding .....                  | 11    |
| Fuel System.....                         | 12    |
| Throttle/Transmission Linkage.....       | 13    |
| Right Wheel Assy.....                    | 14    |
| Left Wheel Assy.....                     | 15    |
| Left Wheel Assy. (Cab).....              | 16    |
| Front Wheel Assy.....                    | 17    |
| Screen System.....                       | 18    |
| Oscillator Mechanism .....               | 19    |
| Flight System .....                      | 20    |
| Conveyor Support Assy.....               | 21    |
| Conveyor Shaft Assy.: Front & Rear ..... | 22    |
| Conveyor Drive Mechanism.....            | 23    |
| Power Steering Components.....           | 24    |
| Controls and Gauges.....                 | 25    |
| Hopper and Rollover Components.....      | 26-27 |
| Oil Tank Assy. ....                      | 28    |
| Emergency Tow Jack .....                 | 29    |
| Groomer Assy.....                        | 30    |
| Wiring Diagram .....                     | 31    |
| Hydraulic Return/Cooler Circuit.....     | 32    |
| Hopper Lift Circuit .....                | 33    |
| Hopper Rollover Circuit .....            | 34    |
| Digger/Groomer Circuit.....              | 35    |
| Conveyor/Oscillator Circuit.....         | 36    |
| Hydrostatic Drive Circuit.....           | 37    |
| Power Steering Circuit.....              | 38    |
| Wheel Motor Case Drain Circuit.....      | 39    |

# OVERALL MACHINE LEGEND

| REF NO. | PART NO. | DESCRIPTION                           | QTY |
|---------|----------|---------------------------------------|-----|
| 1       | P371730  | FILTER: HYD ASSY                      | 2   |
|         | P297170  | GAUGE: IND LP CI-20                   | 1   |
|         | P297190  | GAUGE: IND VAC GV-5                   | 1   |
|         | P371810  | FILTER: HYD ELMT                      | 1   |
| 2       | P259305  | CYLINDER, 2B X 10S w/CAV              | 1   |
|         | 005248   | PIN: CYL/JACK                         | 2   |
|         | P294250  | VALVE: PILOT CHECK CARTRIDGE          | 1   |
|         | P781000  | STROKE CONTROL SET                    | 1   |
|         | 003076   | STOP, DIGGER CYL, SAFETY              | 1   |
|         | P123005  | LOCK PIN: 5/16"                       | 1   |
|         | P259306  | SEAL KIT: RKT2-0096                   | 1   |
|         | 004976   | BRKT, DIGGER CYL ADJ                  | 1   |
| 3       | P312100  | LIGHT: HEAD                           | 1   |
| 4       | 000587W  | STABILIZER ARM WLD                    | 4   |
|         | 000622M  | SPACER, STABILIZER 2-9/16             | 4   |
|         | P620600  | GREASE FITTING: 1/4"-28 TAPER X 35/64 | 4   |
| 5       | P312700  | LIGHT: WORKING                        | 3   |
| 6       | 004971   | BATTERY BOX, 5000                     | 1   |
|         | 000730W  | COVER, BATTERY BOX                    | 1   |
| 7       | P292700  | JUNCTION MANIFOLD                     | 1   |
| 8       | P312600  | LIGHT: STROBE                         | 1   |
| 9       | P001720  | ALARM: BACK-UP, PRECO 45AA            | 1   |
| 10      | P259315  | CYLINDER, 2B X 42S w/CAV              | 2   |
|         | P294250  | VALVE: PILOT CHECK CARTRIDGE          | 2   |
|         | P259316  | SEAL KIT: RKT2-0087                   | 1   |
| 11 *    | P600350  | SEAT: UNI PRO 136 GRAMMER             | 1   |
|         | 500021   | SEAT POST WLD                         | 1   |
|         | P999000  | BOX: OWNERS MANUAL                    | 1   |
| 12      | 004982   | PLATFORM, FOOT                        | 1   |
| 13      | 000774A  | CANOPY                                | 1   |
| 14      | P298150  | SWITCH: MASTER                        | 1   |
|         | P296950  | FACE PLATE: MASTER SWITCH             | 1   |
| 15      | 004977   | SHIELD, RADIATOR COVER                | 1   |
| 16      | 004988   | GUARD, CONV.                          | 1   |

71.P600352 SEAT SAFETY SWITCH (NOT SHOWN)

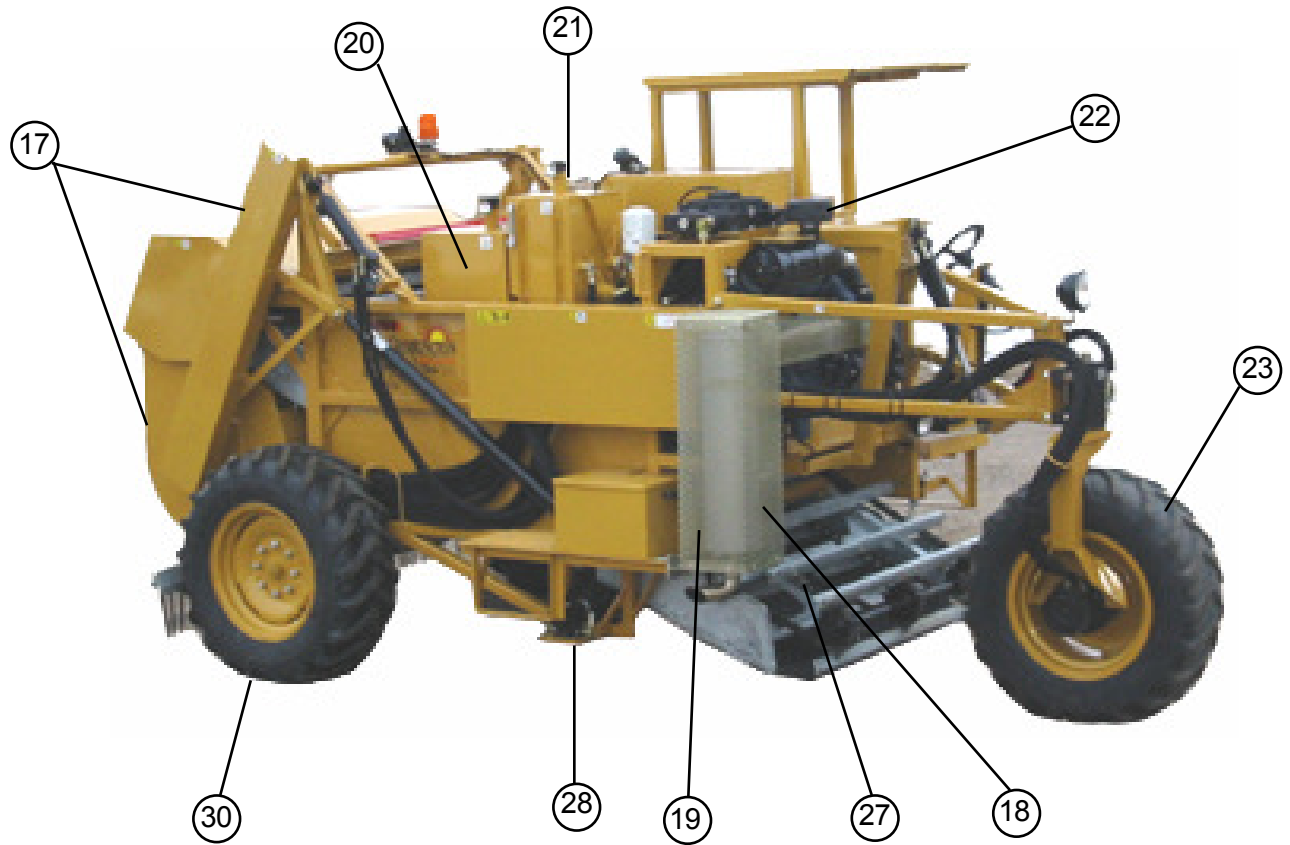
# OVERALL MACHINE LEGEND



# OVERALL MACHINE LEGEND

| REF NO. | SEE PAGE | DESCRIPTION                    |
|---------|----------|--------------------------------|
| 17      | 26-27    | HOPPER AND ROLLOVER COMPONENTS |
| 18      | 10       | EXHAUST SYSTEM                 |
| 19      | 11       | EXHAUST SHIELDING              |
| 20      | 12       | FUEL SYSTEM                    |
| 21      | 28       | OIL TANK                       |
| 22      | 9        | AIR CLEANER                    |
| 23      | 17       | WHEEL ASSEMBLY (FRONT)         |
| 24      | 20       | FLIGHT SYSTEM                  |
| 25      | 18       | SCREEN AND DIGGER POINT SYSTEM |
| 26      | 22       | FRONT CONVEYOR SHAFT           |
| 27      | 21       | FRONT CONV. SUPPORT ASSY       |
| 28      | 19       | OSCILLATOR MECHANISM           |
| 29      | 29       | EMERGENCY TOWING               |
| 30      | 14       | WHEEL ASSEMBLY (RIGHT)         |
| 31      | 24       | POWER STEERING COMPONENTS      |
| 32      | 13       | THROTTLE AND TRANS LINKAGE     |
| 33      | 25       | CONTROLS AND GAUGES            |
| 34      | 26-27    | HOPPER SYSTEM                  |
| 35      | 23       | CONVEYOR DRIVE MECHANISM       |
| 36      | 15-16    | WHEEL ASSEMBLY (LEFT)          |

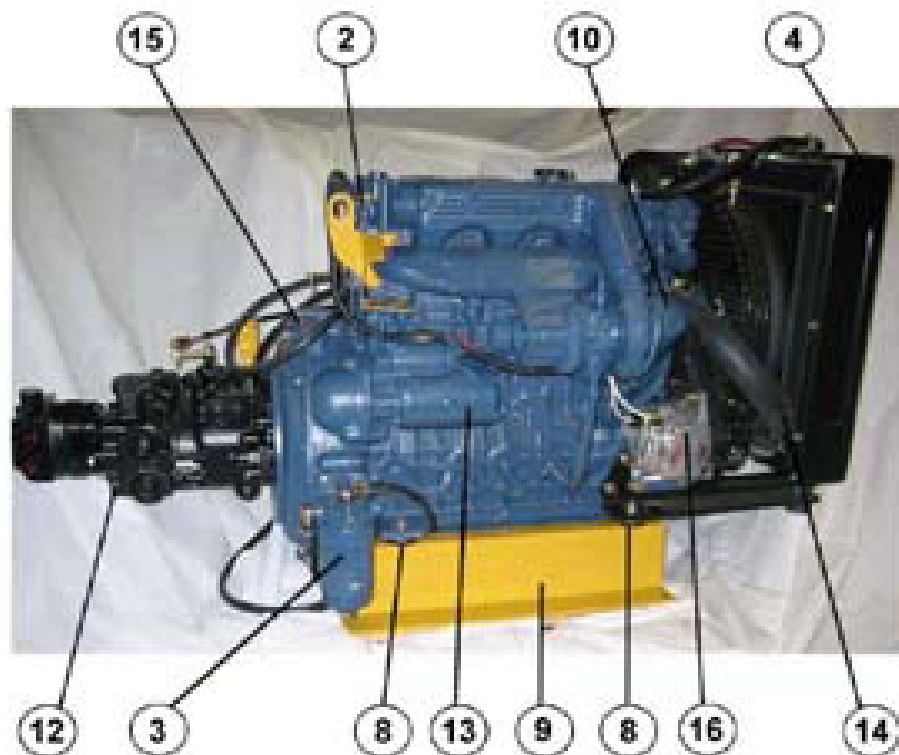
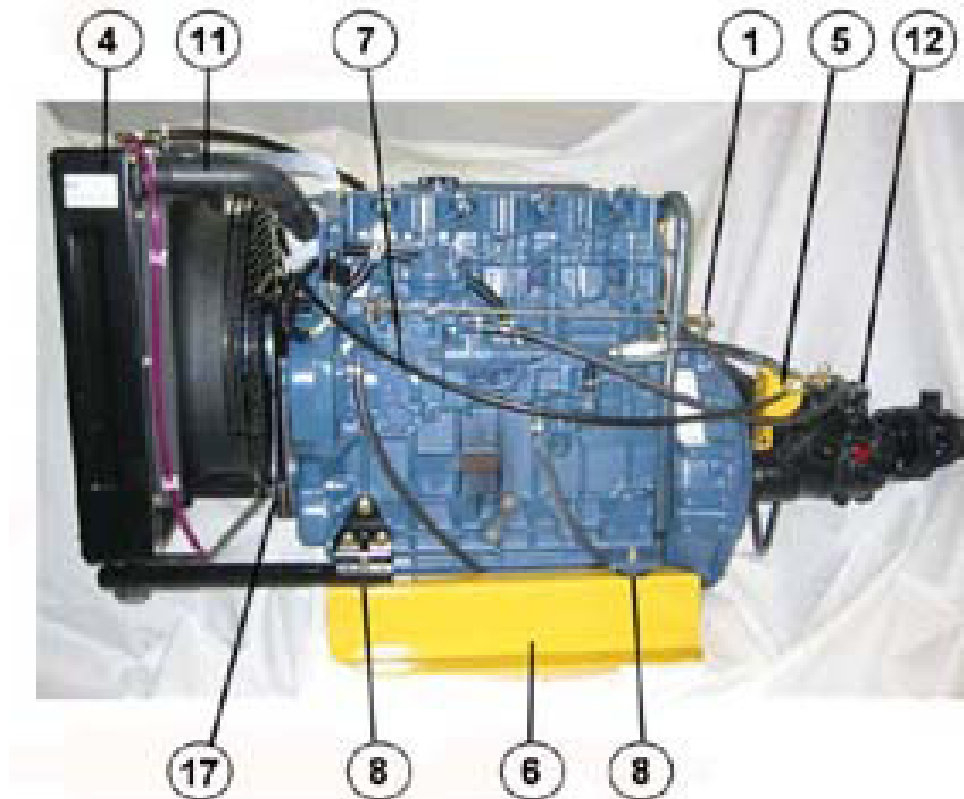
# OVERALL MACHINE LEGEND



## ENGINE/PUMP/RADIATOR (754TE2)

| REF NO. | PART NO.    | DESCRIPTION                   | QTY |
|---------|-------------|-------------------------------|-----|
| 1       | SEE PAGE 13 | THROTTLE LINKAGE              | 1   |
| 2       | P372900     | SENDER: WATER TEMP M18 X 1.5" | 1   |
| 3       | P371620     | FILTER: FUEL 704LT            | 1   |
| 4       | P593000     | RADIATOR: 704LTE              | 1   |
| 5       | SEE PAGE 13 | BRKT, TRANS. CONTROL CABLE    | 1   |
| 6       | 500012      | BRKT, ENGINE MTG REAR 754TE2  | 1   |
| 7       | SEE PAGE 13 | CABLE, PUSH-PULL, 52" X 2"    | 1   |
| 8       | P133072     | MT: ISOLATOR CB-1121-2        | 4   |
| 9       | 500013      | BRKT, ENGINE MTG FRONT 754TE2 | 1   |
| 10      | P371530     | FILTER: ENG OIL 704LT         | 1   |
| 11      | P269050     | HOSE: RAD TOP 704LTE          | 1   |
| 12      | SEE PAGE 8  | PUMPS/DRIVE COUPLING ASSY     |     |
| 13      | P770200     | STARTER: 704LT                | 1   |
| 14      | P269030     | HOSE: RAD LOW 704LTE          | 1   |
| 15      | P372100     | SENDER: ENG OIL PRES          | 1   |
| 16      | P001840     | ALTERNATOR: 704LTE BOSCH      | 1   |
| 17      | P006300     | BELT: FAN/ALT 704LT           | 2   |

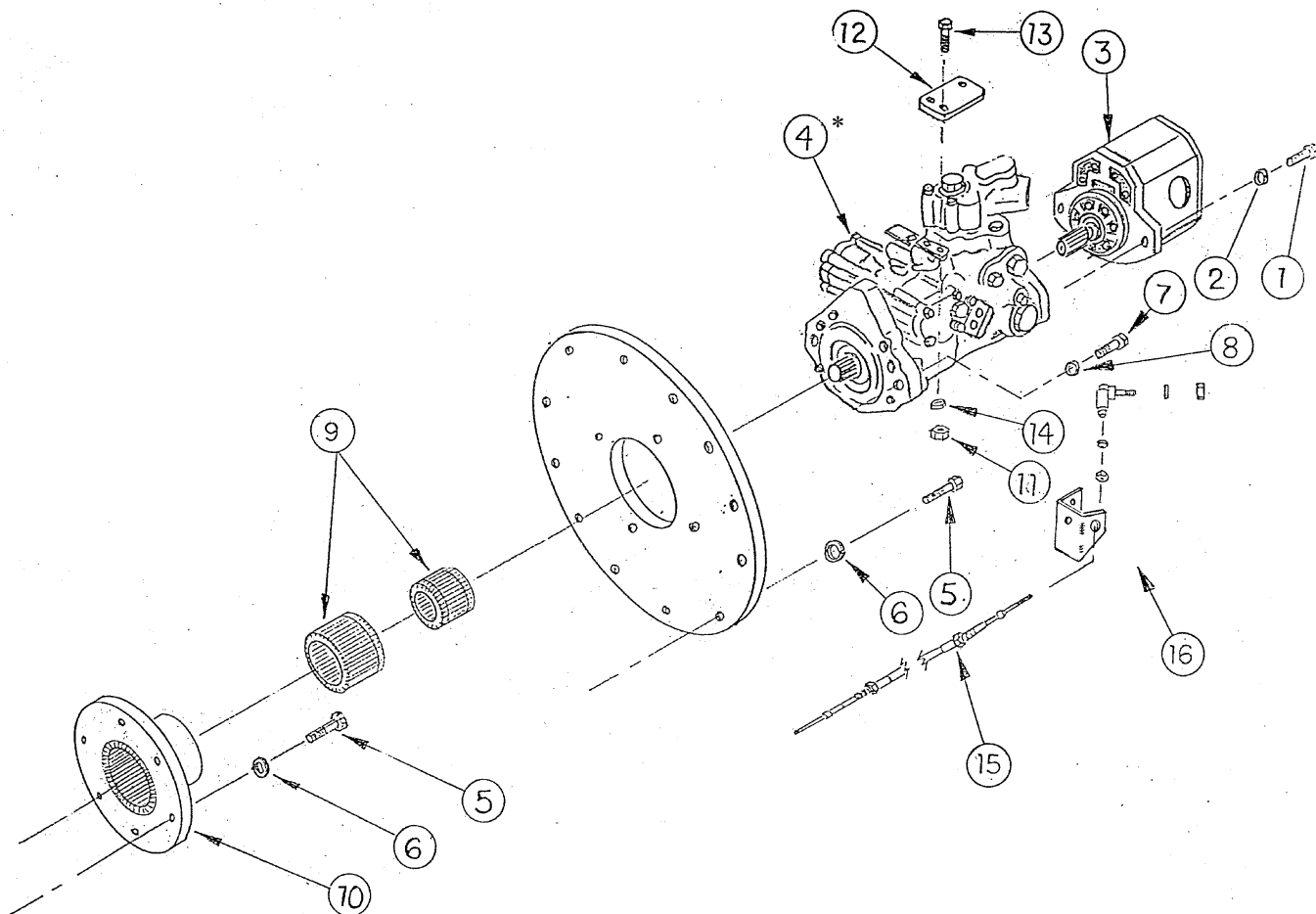
# ENGINE/PUMP/RADIATOR (754TE2)



# TRANSMISSION/DRIVE COUPLING ASSEMBLY

| REF NO. | PART NO. | DESCRIPTION                   | QTY |
|---------|----------|-------------------------------|-----|
| 1       | P100605  | BOLT: 3/8-16 NC X 1-1/4"      | 2   |
| 2       | P851106  | WASHER: LOCK 3/8"             | 2   |
| 3       | P555100  | PUMP: GEAR 26306-RAC LS       | 1   |
| 4 *     | P556550  | PUMP: TRANS M46 W/NS          | 1   |
| 5       | P103851  | METRIC BOLT: M10-1.5 X 30     | 18  |
| 6       | P851100  | WASHER: LOCK M10              | 18  |
| 7       | P110170  | BOLT: SOC HD, M14-2.0 X 40 MM | 2   |
| 8       | P851102  | WASHER: LOCK M14              | 2   |
| 9       |          | DRIVE CPLG ASSY.              | 1   |
| 10      |          | DRIVE CPLG HUB.               | 1   |
| 11      | P155450  | NUT: 3/8" TOP LOCK            | 2   |
| 12      | 003656   | TAB, TRANS. CONTROL EXT.      | 1   |
| 13      | P100603  | BOLT: 3/8-16 NC X 3/4"        | 2   |
| 14      | P851106  | WASHER: LOCK, 3/8"            | 2   |
| 15      | P115852  | CABLE: PUSH-PULL 52"          | 1   |
| 16      | 005262   | BRKT, M46 CABLE               | 1   |

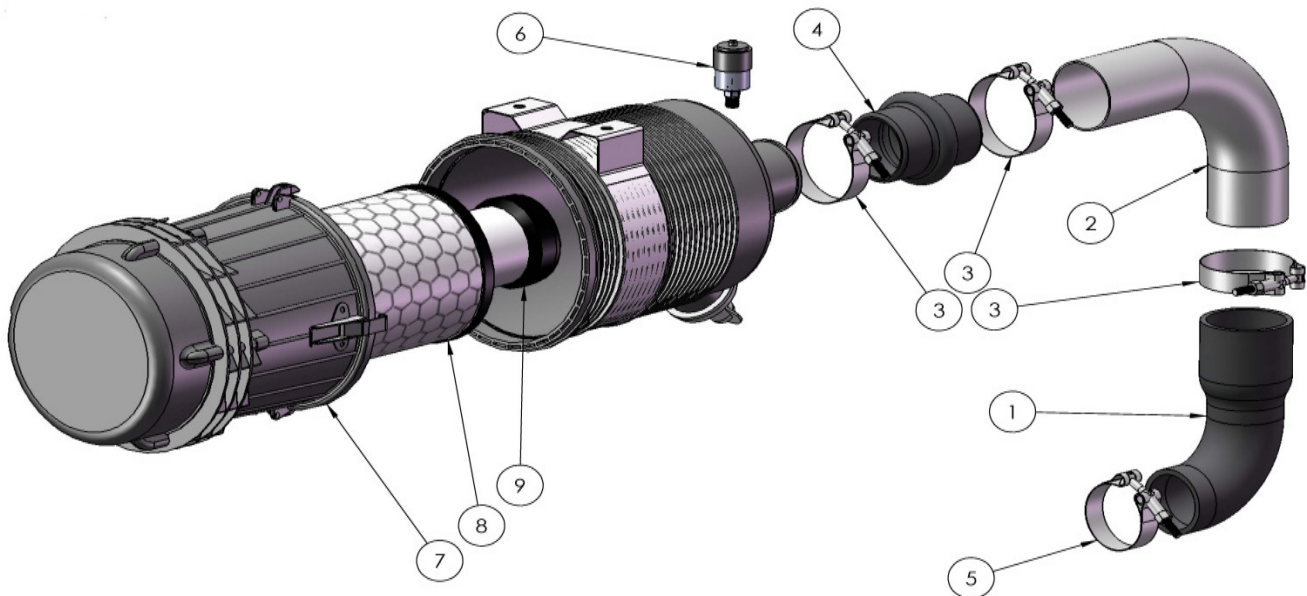
\* 71.P298161 NEUTRAL SAFETY SWITCH M46 (NOT SHOWN)





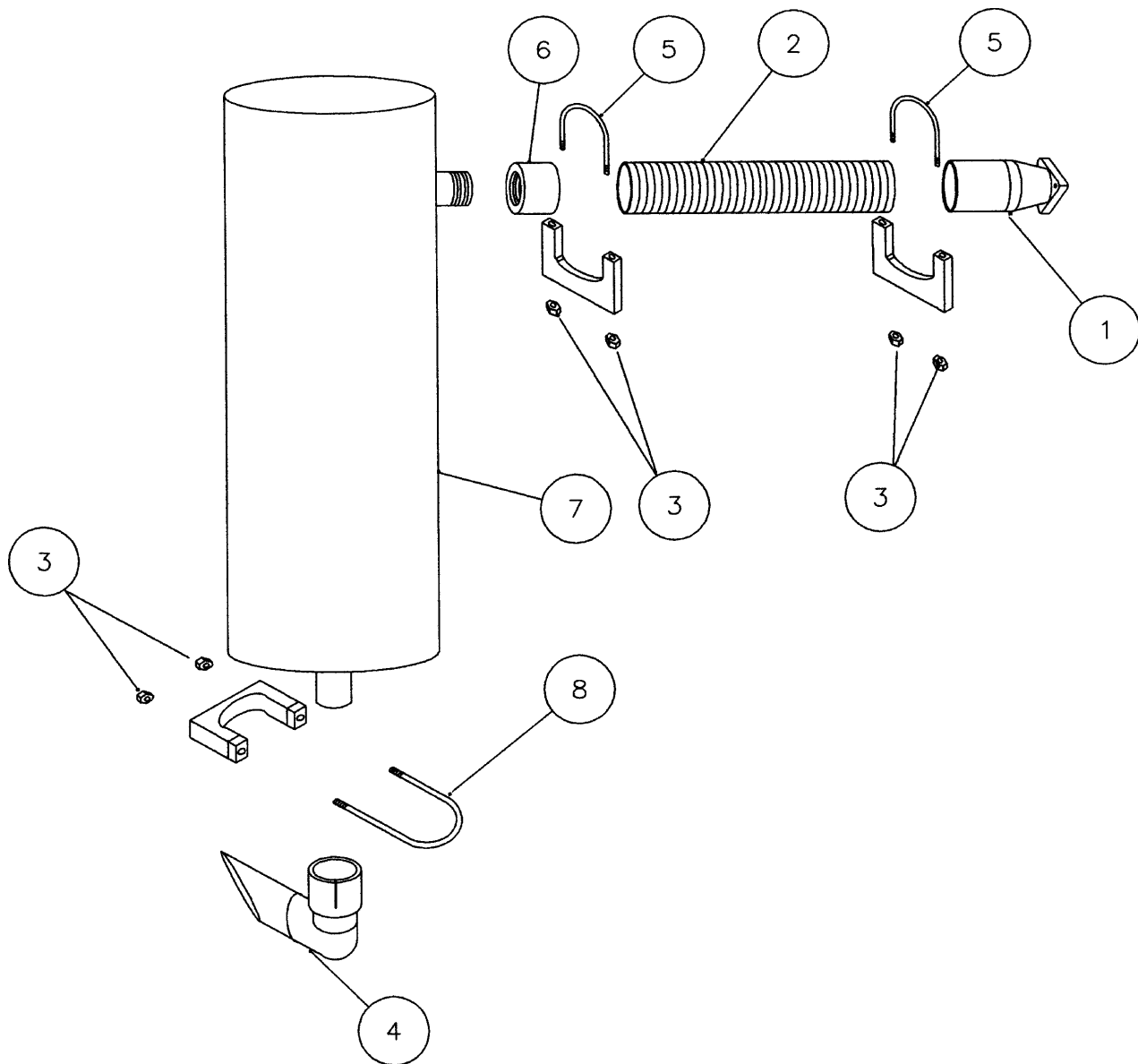
# AIR CLEANER

| REF | PART ID | DESCRIPTION                     | QTY |
|-----|---------|---------------------------------|-----|
| 1   | 003742  | HOSE: INTAKE COUPLER            | 1   |
| 2   | 500020  | TUBE: INTAKE ELBOW 2.5"         | 1   |
| 3   | P128860 | CLAMP: HOSE, 2 1/2" ID T-BOLT   | 3   |
| 4   | P269207 | HOSE: A/C HUMP CONN 2.5"        | 1   |
| 5   | P128850 | CLAMP: HOSE, 2" ID T-BOLT       | 1   |
| 6   | P297160 | GAUGE: IND A/C DON              | 1   |
| 7   | P001650 | AIR CLNR: ENG 2.5# 7VLR-E2-ST   | 1   |
| 8   | P371366 | FILTER: AIR ELE PRIME 3-E1 ENG  | 1   |
| 9   | P371376 | FILTER: AIR ELE SAFETY 3-E2 ENG | 1   |



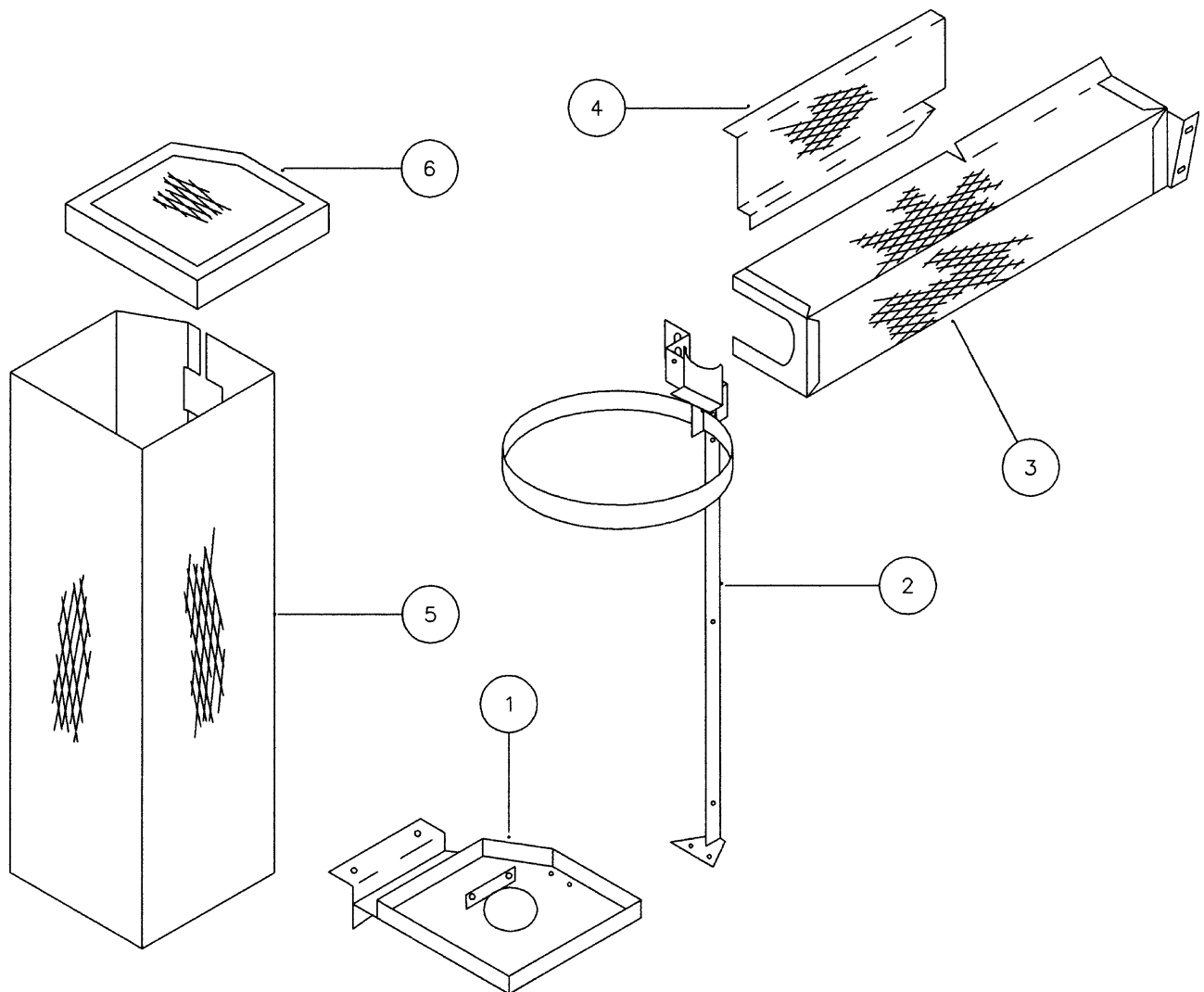
# EXHAUST SYSTEM

| REF NO. | PART NO. | DESCRIPTION                 | QTY |
|---------|----------|-----------------------------|-----|
| 1       | 004964   | EXHAUST MANIFOLD ADAPTER    | 1   |
| 2       | P279120  | FLEX TUBE: 3" X 22"         | 1   |
| 3       | P155450  | NUT: 3/8" TOP-LOCK          | 6   |
| 4       | 004965   | EXHAUST DEFLECTOR SPOUT     | 1   |
| 5       | P128940  | CLAMP-U: 3" WKR             | 2   |
| 6       | P272781  | CPLG HALF: 2" NPT, 3M#, BLK | 1   |
| 7       | P722500  | MUFFLER: BC                 | 1   |
| 8       | P128930  | CLAMP-U: 2-1/2"             | 1   |



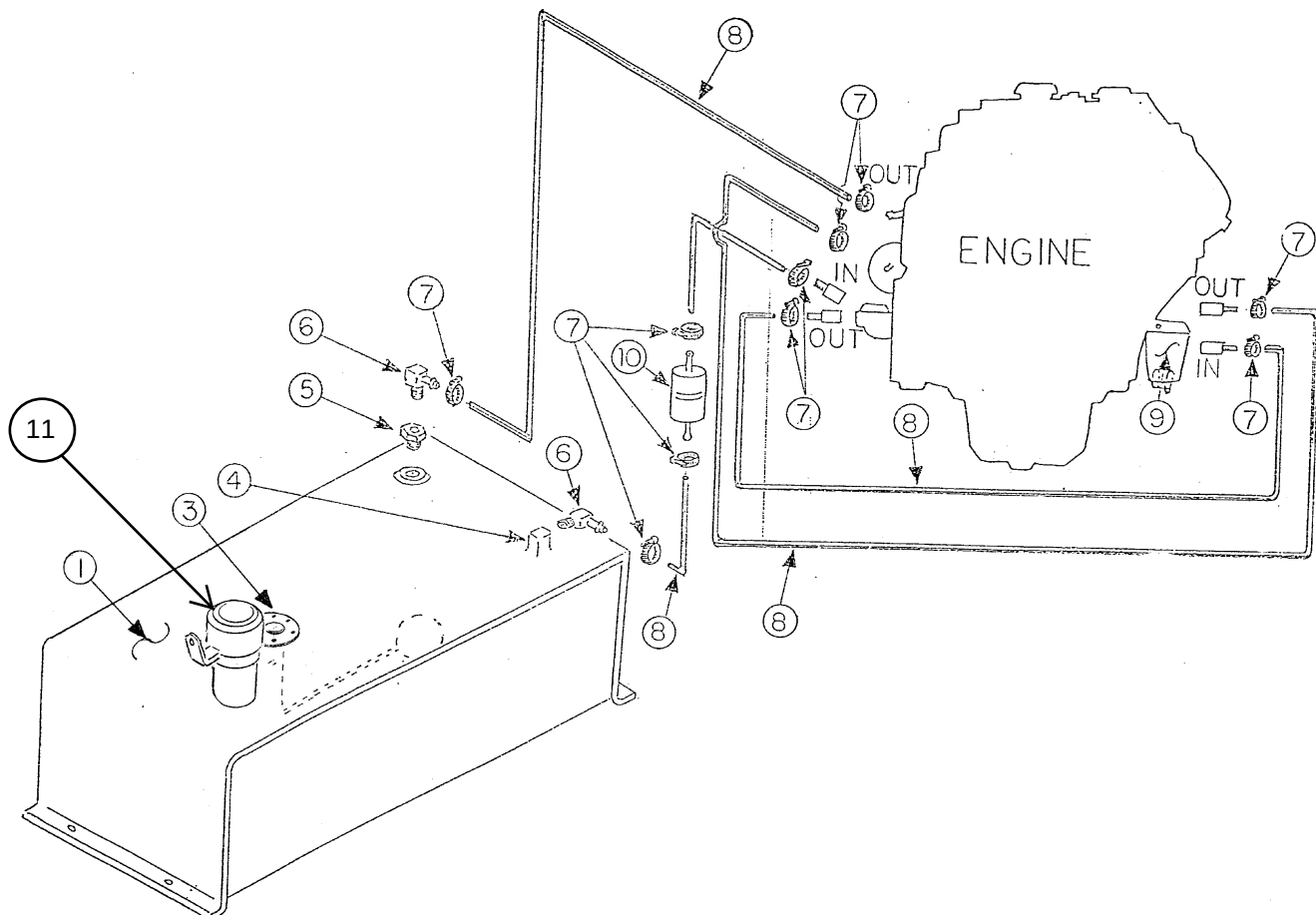
# EXHAUST SHIELDING

| REF NO. | PART NO. | DESCRIPTION                 | QTY |
|---------|----------|-----------------------------|-----|
| 1       | 004957   | EXHAUST BRKT BASE           | 1   |
| 2       | 004958   | EXHAUST BRKT TOP            | 1   |
| 3       | 004959   | HEAT SHIELD, FLEX TUBE      | 1   |
| 4       | 004960   | HEAT SHIELD, FLEX TUBE BACK | 1   |
| 5       | 004961   | HEAT SHIELD, MUFFLER        | 1   |
| 6       | 004962   | HEAT SHIELD, MUFFLER COVER  | 1   |



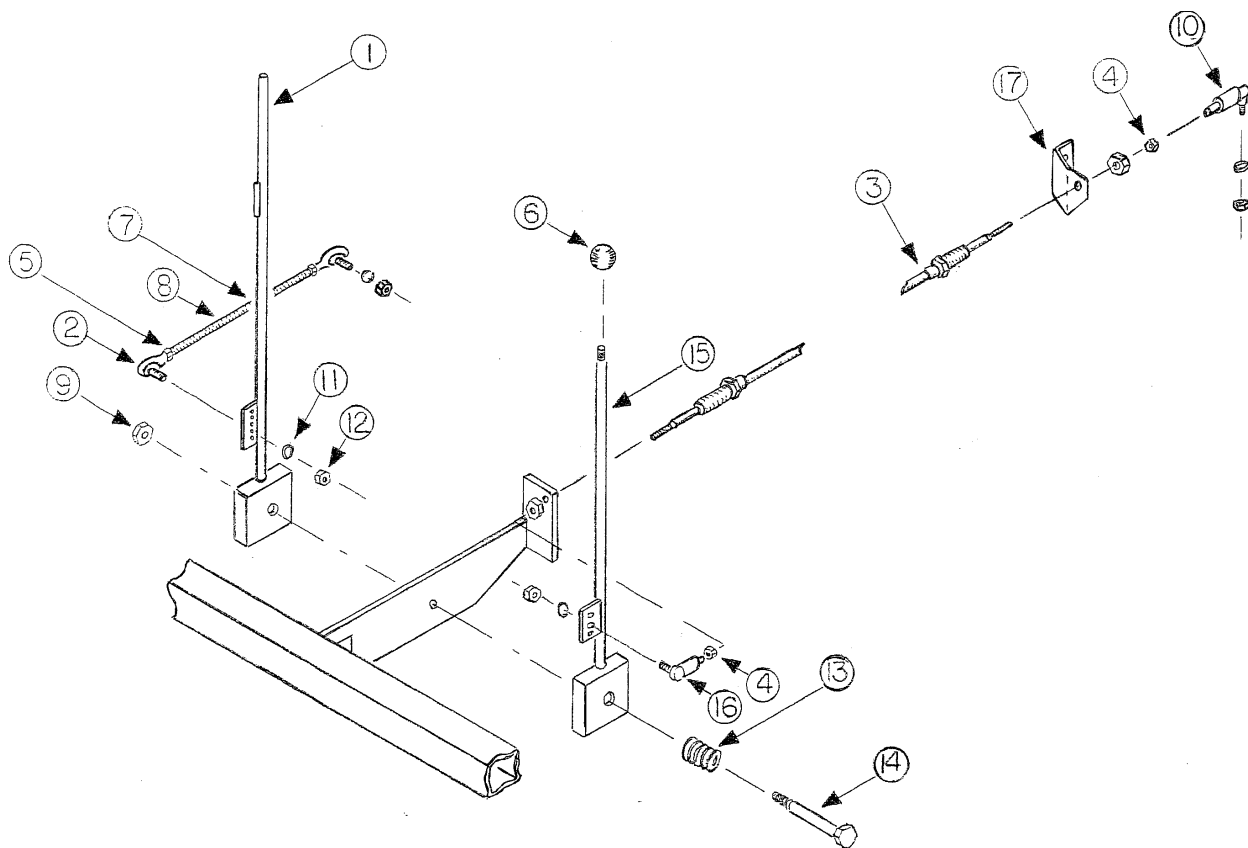
# FUEL SYSTEM

| REF NO. | PART NO.   | DESCRIPTION                                           | QTY |
|---------|------------|-------------------------------------------------------|-----|
| 1       | 005082     | TANK , FUEL, ASSY (18 GAL)<br>(INCLUDES: 3 & 4)       | 1   |
| 3 *     | 002096     | SENDER ASSY, FUEL LEVEL <b>UPDATED P/N: 71.500533</b> | 1   |
| 4       | P769000    | SIPHON TUBE ASSY                                      | 1   |
| 5       | P267320    | FITTING: 6MP 4FP REDUCER                              | 1   |
| 6       | P267140    | FITTING: 4MP 5FP BRASS ADAPTER                        | 2   |
| 7       | P128702    | CLAMP: HOSE, SIZE 02                                  | 8   |
| 8       | R99000703  | HOSE: FUEL LINE, 5/16" ID<br>(SPECIFY LENGTH DESIRED) |     |
| 9       | P371620    | FILTER: FUEL 704LT                                    | 1   |
| 10      | P371650    | FILTER: FUEL, IN-LINE                                 | 1   |
| 11      | 71.P610000 | FUEL CAP                                              |     |



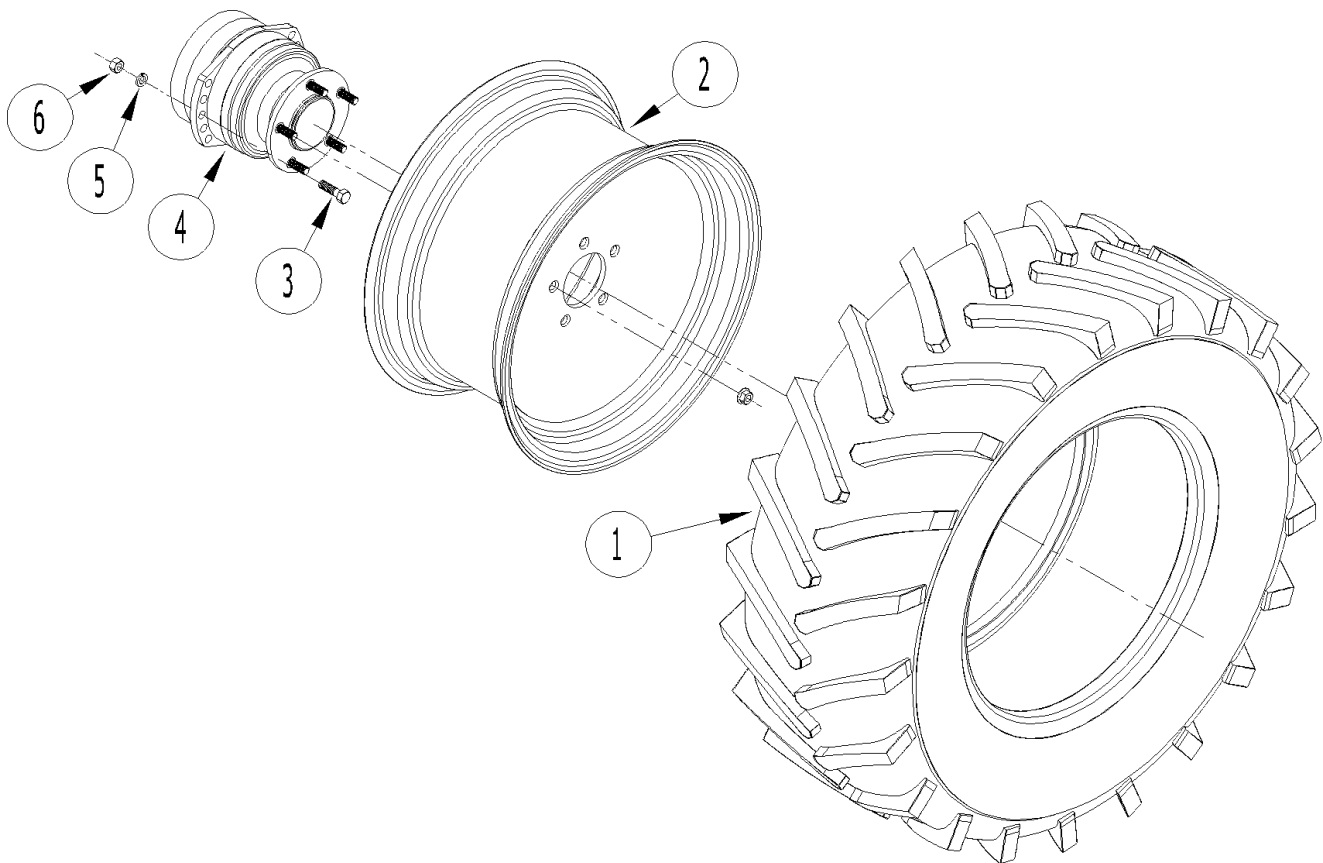
# THROTTLE AND TRANSMISSION LINKAGE

| REF NO. | PART NO. | DESCRIPTION                                       | QTY |
|---------|----------|---------------------------------------------------|-----|
| 1       | 004513   | LEVER, THROTTLE                                   | 1   |
| 2       | P126300  | BALL JOINT: 1/4F 1/4M                             | 2   |
| 3       | P115852  | CABLE: PUSH-PULL 52"                              | 1   |
| 4       | P158021  | NUT: #10-32 PLATED                                | 2   |
| 5       | P150401  | HEX NUT: 1/4" FINE THREAD                         | 2   |
| 6       | P308100  | KNOB: 1-3/8" X 1/2-13                             | 1   |
| 7       | 004569   | ROD, THREADED 1/4-28 NF X 17.68                   | 1   |
| 8       | 004568   | THROTTLE LINKAGE ROD ASSY<br>(INCLUDES 2, 5, & 7) | 1   |
| 9       | P157500  | NUT: 5/8-11 TOP-LOCK                              | 1   |
| 10      | P126330  | BALL JOINT: 10-32F 5/16M                          | 2   |
| 11      | P851104  | WASHER: LOCK 1/4"                                 | 2   |
| 12      | P155251  | NUT: 1/4" F.T. TOP-LOCK                           | 2   |
| 13      | 002145   | SPRING, CONTROL LEVER                             | 1   |
| 14      | P101018  | BOLT: 5/8-11 NC X 4-1/2" G8                       | 1   |
| 15      | 005263   | LEVER, TRANSMISSION                               | 1   |
| 17      | 005262   | BRKT, M46 CABLE                                   | 1   |



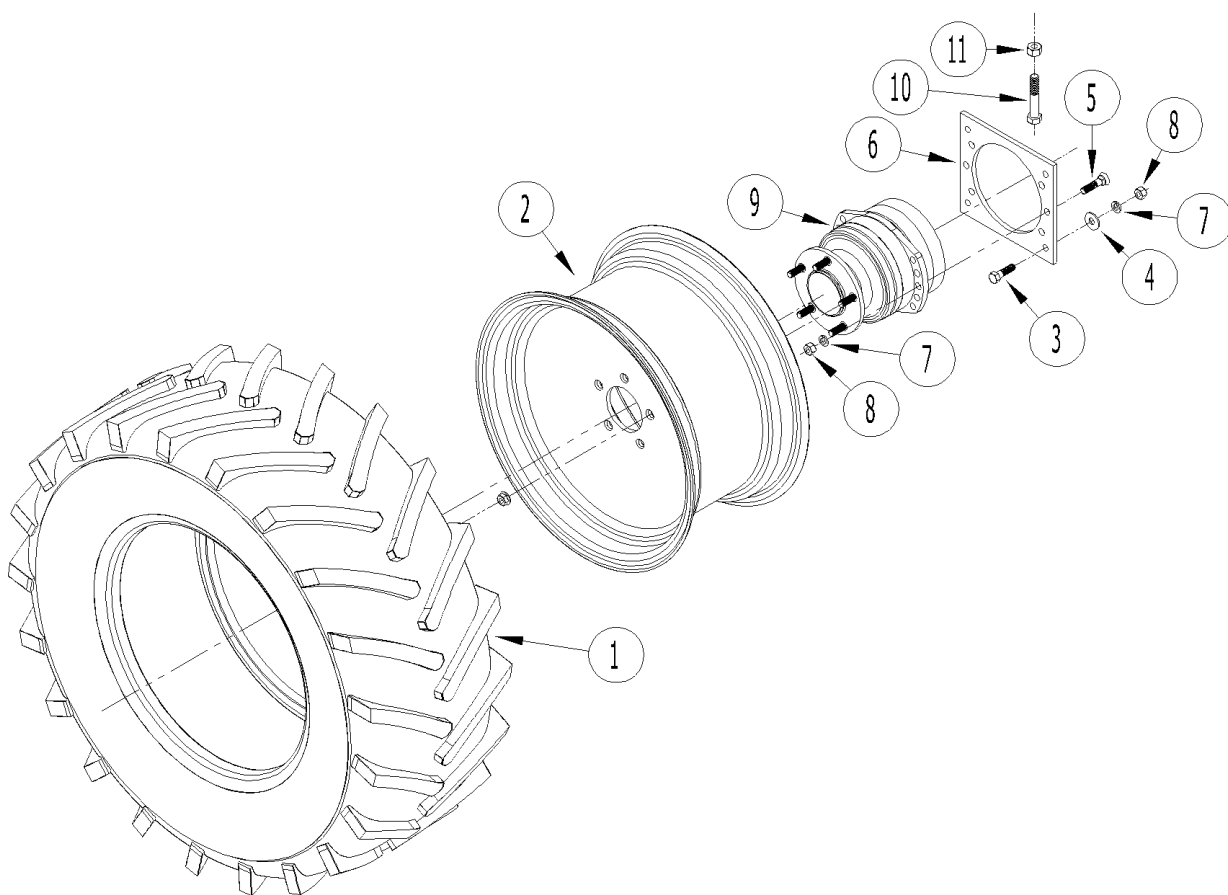
# RIGHT WHEEL ASSY

| REF NO. | PART NO. | DESCRIPTION                              | QTY |
|---------|----------|------------------------------------------|-----|
| 1       | P763800  | TIRE: 38 X 14.00                         | 1   |
| 2       | P750900  | RIM: HEY 20 X 11 METRIC                  | 1   |
|         | 005292   | WHEEL ASSY: MSE03 LH<br>(INCLUDES 1 & 2) | 1   |
| 3       | P100807  | HEX BOLT: 1/2" X 1-3/4"                  | 6   |
| 4       | P355600  | MOTOR: WHEEL, POCLAIN MSE03              | 1   |
| 5       | P851108  | WASHER: LOCK 1/2"                        | 6   |
| 6       | P155850  | NUT: 1/2" TOP-LOCK                       | 6   |



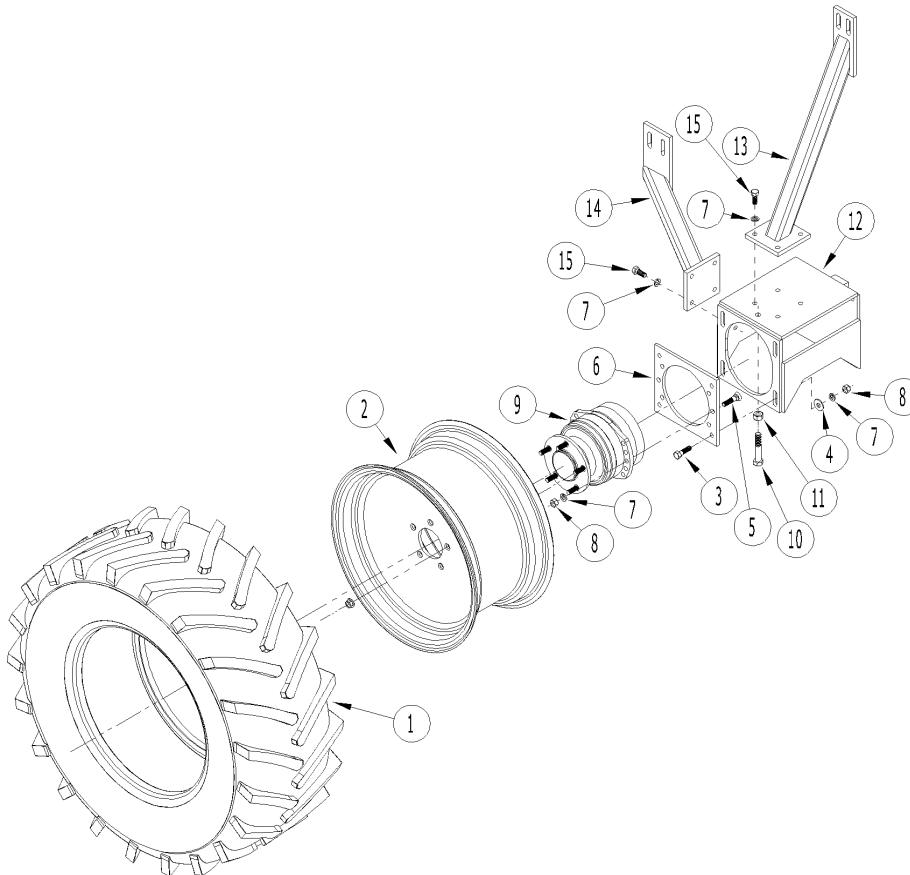
# LEFT WHEEL ASSY

| REF NO. | PART NO. | DESCRIPTION                              | QTY |
|---------|----------|------------------------------------------|-----|
| 1       | P763800  | TIRE: 38 X 14.00                         | 1   |
| 2       | P750900  | RIM: HEY 20 X 11 METRIC                  | 1   |
|         | 005291   | WHEEL ASSY: MSE03 RH<br>(INCLUDES 1 & 2) | 1   |
| 3       | P100807  | HEX BOLT: 1/2" X 1-3/4"                  | 4   |
| 4       | P850108  | WASHER: FLAT ZINC 1/2"                   | 4   |
| 5       | P114808  | PLOW BOLT: 1/2" X 2"                     | 6   |
| 6       | 005290   | PLATE: WHEEL MOTOR ADJ MSE03             | 1   |
| 7       | P851108  | WASHER: LOCK 1/2"                        | 10  |
| 8       | P155850  | NUT: 1/2" TOP-LOCK                       | 10  |
| 9       | P355600  | MOTOR: WHEEL, POCLAIN MSE03              | 1   |
| 10      | P099012  | HEX BOLT: 5/8" X 3" GR.5 FULL            | 1   |
| 11      | P155800  | NUT: 5/8"-11 HEX JAM                     | 1   |



# LEFT WHEEL ASSEMBLY (CAB)

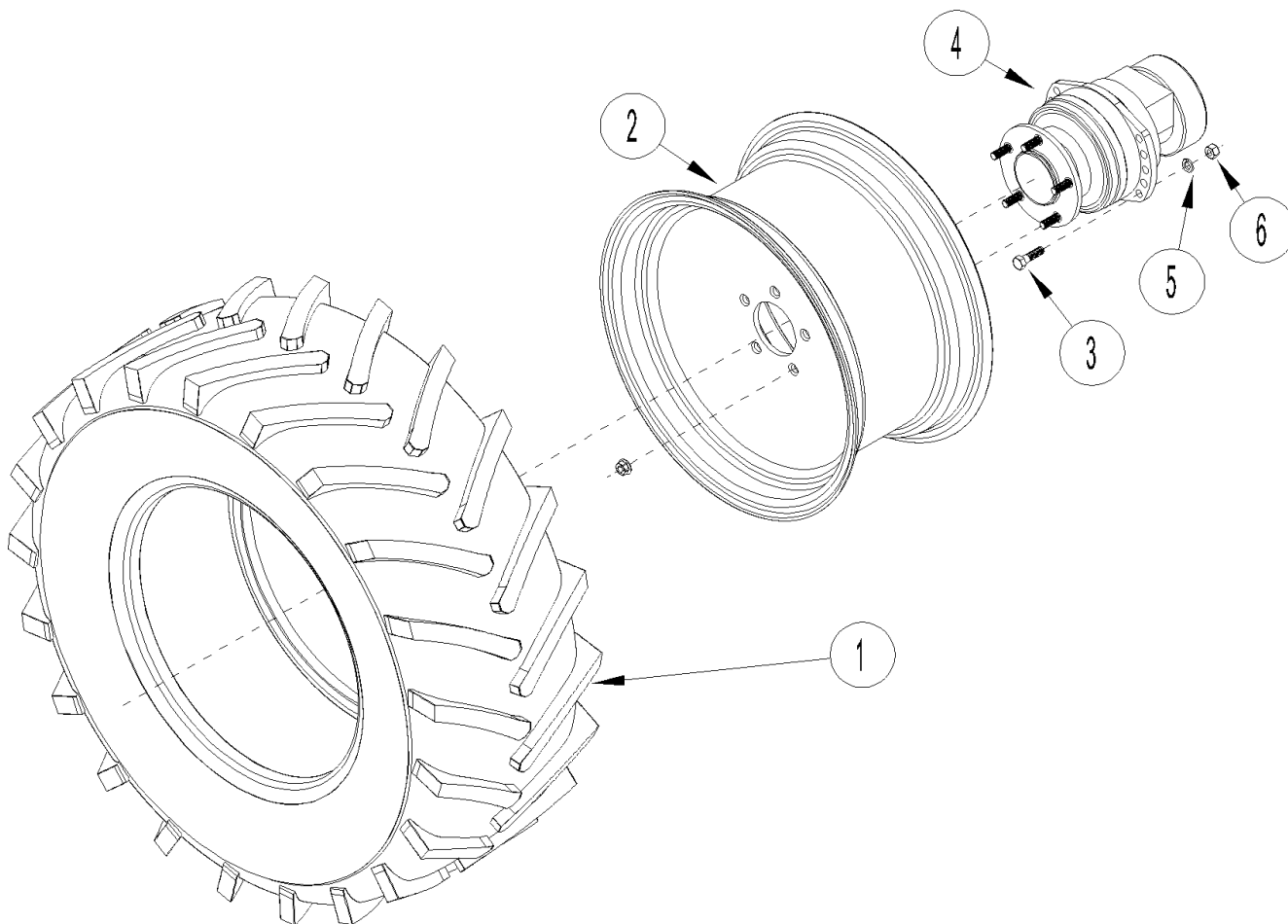
| REF NO. | PART NO. | DESCRIPTION                              | QTY |
|---------|----------|------------------------------------------|-----|
| 1       | P763800  | TIRE: 38 X 14.00                         | 1   |
| 2       | P750900  | RIM: HEY 20 X 11 METRIC                  | 1   |
|         | 005291   | WHEEL ASSY: MSE03 RH<br>(INCLUDES 1 & 2) | 1   |
| 3       | P100807  | HEX BOLT: 1/2" X 1-3/4"                  | 4   |
| 4       | P850108  | WASHER: FLAT ZINC 1/2"                   | 4   |
| 5       | P114808  | PLOW BOLT: 1/2" X 2"                     | 6   |
| 6       | 005290   | PLATE: WHEEL MOTOR ADJ MSE03             | 1   |
| 7       | P851108  | WASHER: LOCK 1/2"                        | 18  |
| 8       | P155850  | NUT: 1/2" TOP-LOCK                       | 10  |
| 9       | P355600  | MOTOR: WHEEL, POCLAIN MSE03              | 1   |
| 10      | P099012  | HEX BOLT: 5/8" X 3" GR.5 FULL            | 1   |
| 11      | P155800  | NUT: 5/8"-11 HEX JAM                     | 1   |
| 12      | 005310   | EXTENDER: MSE03 CAB                      | 1   |
| 13      | 005311   | BRACE: MSE03 EXTENDER VERT.              | 1   |
| 14      | 005312   | BRACE: MSE03 EXTENDER HORZ.              | 1   |
| 15      | P100805  | HEX BOLT: 1/2" X 1-1/4"                  | 8   |





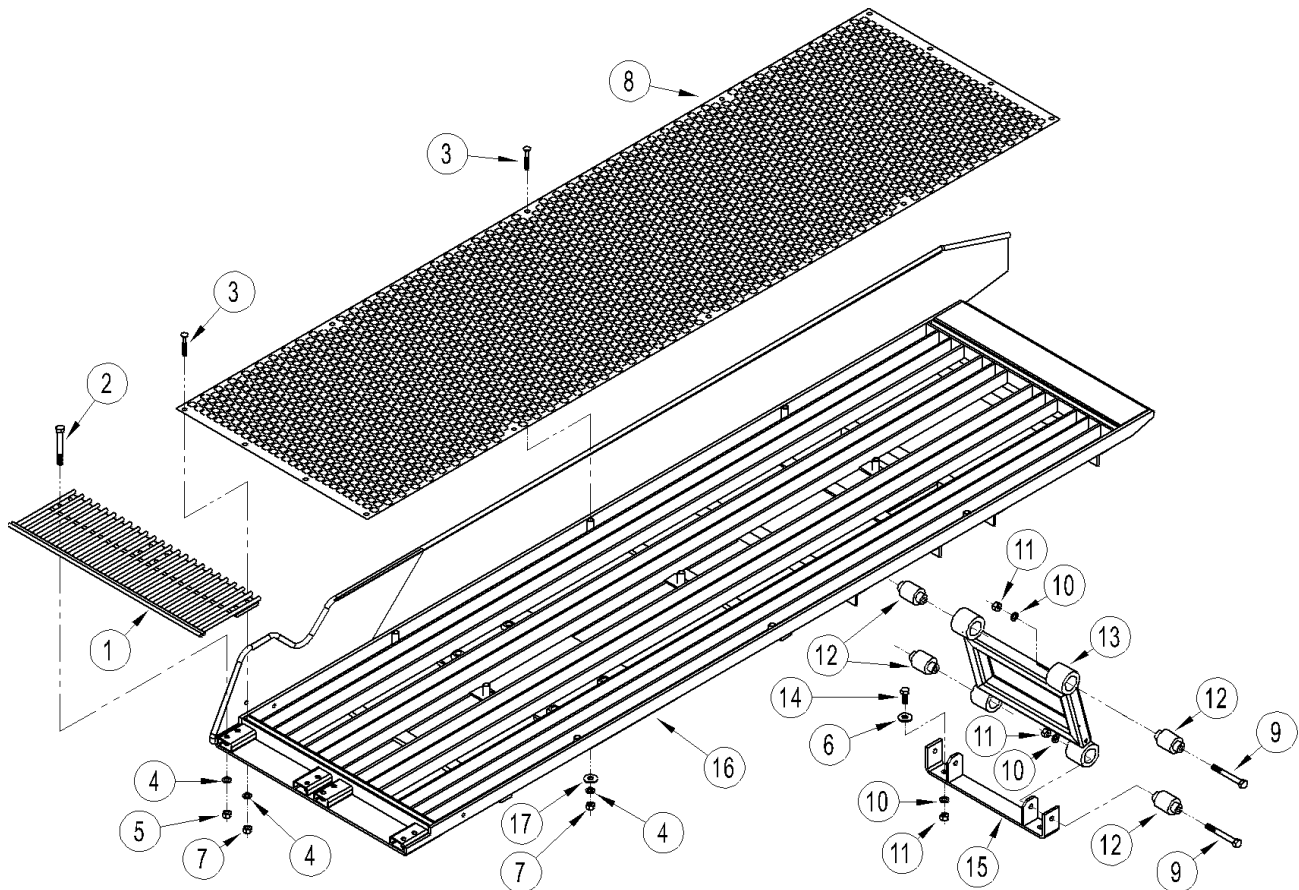
# FRONT WHEEL ASSEMBLY

| REF NO. | PART NO. | DESCRIPTION                              | QTY |
|---------|----------|------------------------------------------|-----|
| 1       | P763800  | TIRE: 38 X 14.00                         | 1   |
| 2       | P750900  | RIM: HEY 20 X 11 METRIC                  | 1   |
|         | 005291   | WHEEL ASSY: MSE03 RH<br>(INCLUDES 1 & 2) | 1   |
| 3       | P100807  | HEX BOLT: 1/2" X 1-3/4"                  | 6   |
| 4       | P355700  | MTR: WHEEL/BRAKE, POCLAIN MSE03          | 1   |
| 5       | P851108  | WASHER: LOCK 1/2"                        | 6   |
| 6       | P155850  | NUT: 1/2" TOP-LOCK                       | 6   |



# SCREEN SYSTEM

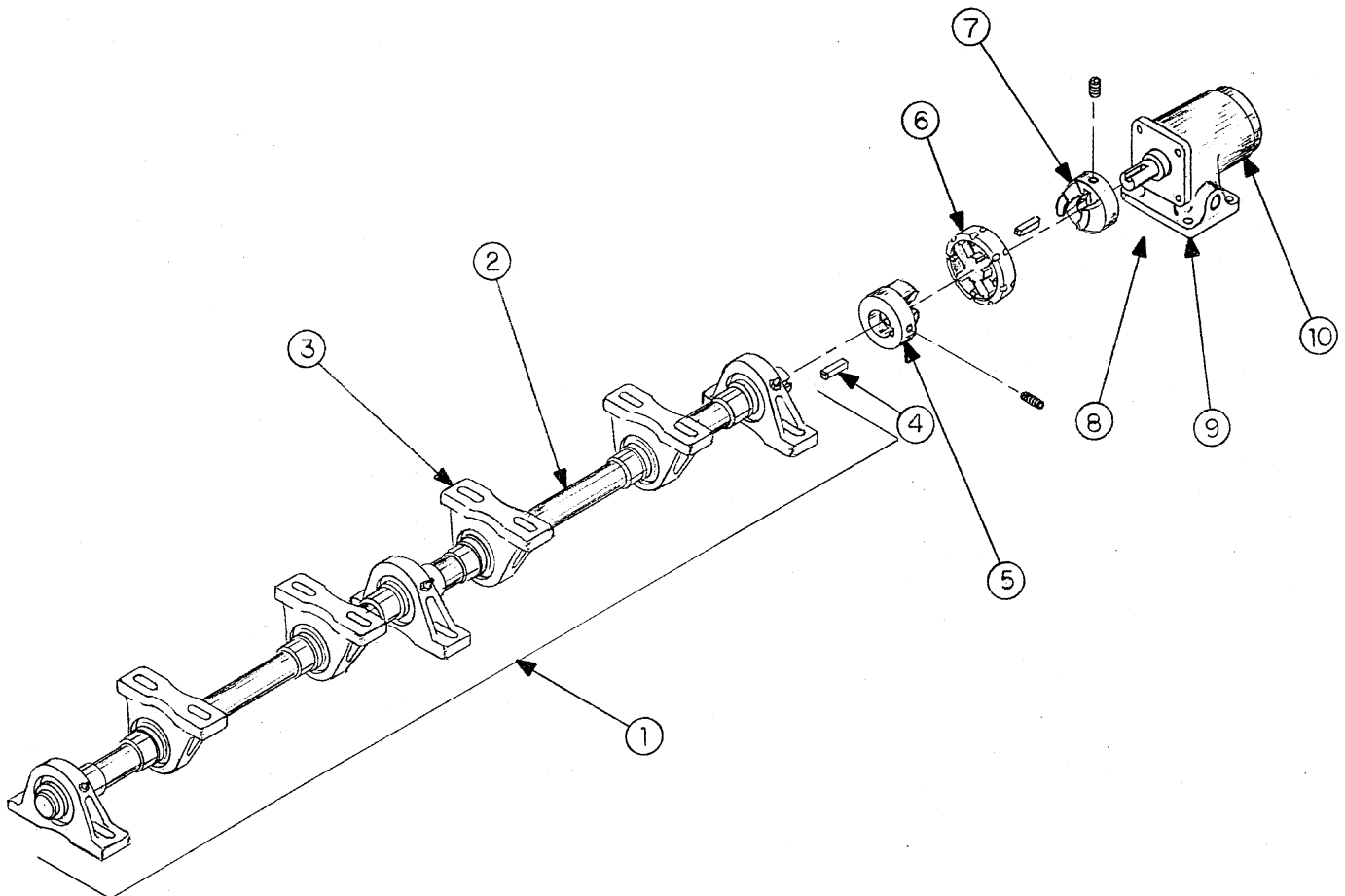
| REF NO. | PART NO. | DESCRIPTION                       | QTY |
|---------|----------|-----------------------------------|-----|
| 1*      | 000304W  | DIGGER POINT WELD, STANDARD       | 2   |
| 2       | P100609  | BOLT: 3/8-16 NC X 2-1/4"          | 16  |
| 3       | P114610  | PLOW BOLT: 3/8-16 X 2-1/2"        | 28  |
| 4       | P851106  | WASHER: LOCK 3/8"                 | 44  |
| 5       | P155450  | NUT: 3/8" TOP-LOCK                | 16  |
| 6       | P850108  | WASHER: FLAT ZINC 1/2"            | 4   |
| 7       | P150601  | HEX NUT: 3/8" GR.8 PLATED         | 28  |
| 8A      | 005232   | SCREEN WLD, 3/4" WOVEN (STANDARD) | 2   |
| 8B      | 005234   | SCREENWLD, 5/8" WOVEN (OPTIONAL)  | 2   |
| 9       | P100816  | BOLT: 1/2-13 NC X 4"              | 8   |
| 10      | P851108  | WASHER: LOCK 1/2"                 | 12  |
| 11      | P155850  | NUT: 1/2" TOP-LOCK                | 12  |
| 12      | P126820  | BUSHING: RUBBER                   | 8   |
| 13      | 002051   | RISER, REAR SCREEN                | 2   |
| 14      | P100805  | HEX BOLT: 1/2" X 1-1/4"           | 4   |
| 15      | 005202   | BRKT: LOWER SCREEN RISER          | 2   |
| 16A     | 004374   | SCREEN FRAME, RIGHT               | 1   |
| 16B     | 004375   | SCREEN FRAME, LEFT                | 1   |
| 17      | P850806  | WASHER: FLAT SAE GR8 3/8"         | 20  |



\*OPTIONAL SOLID DIGGER POINT P/N 71.000330W QTY 2 REQD

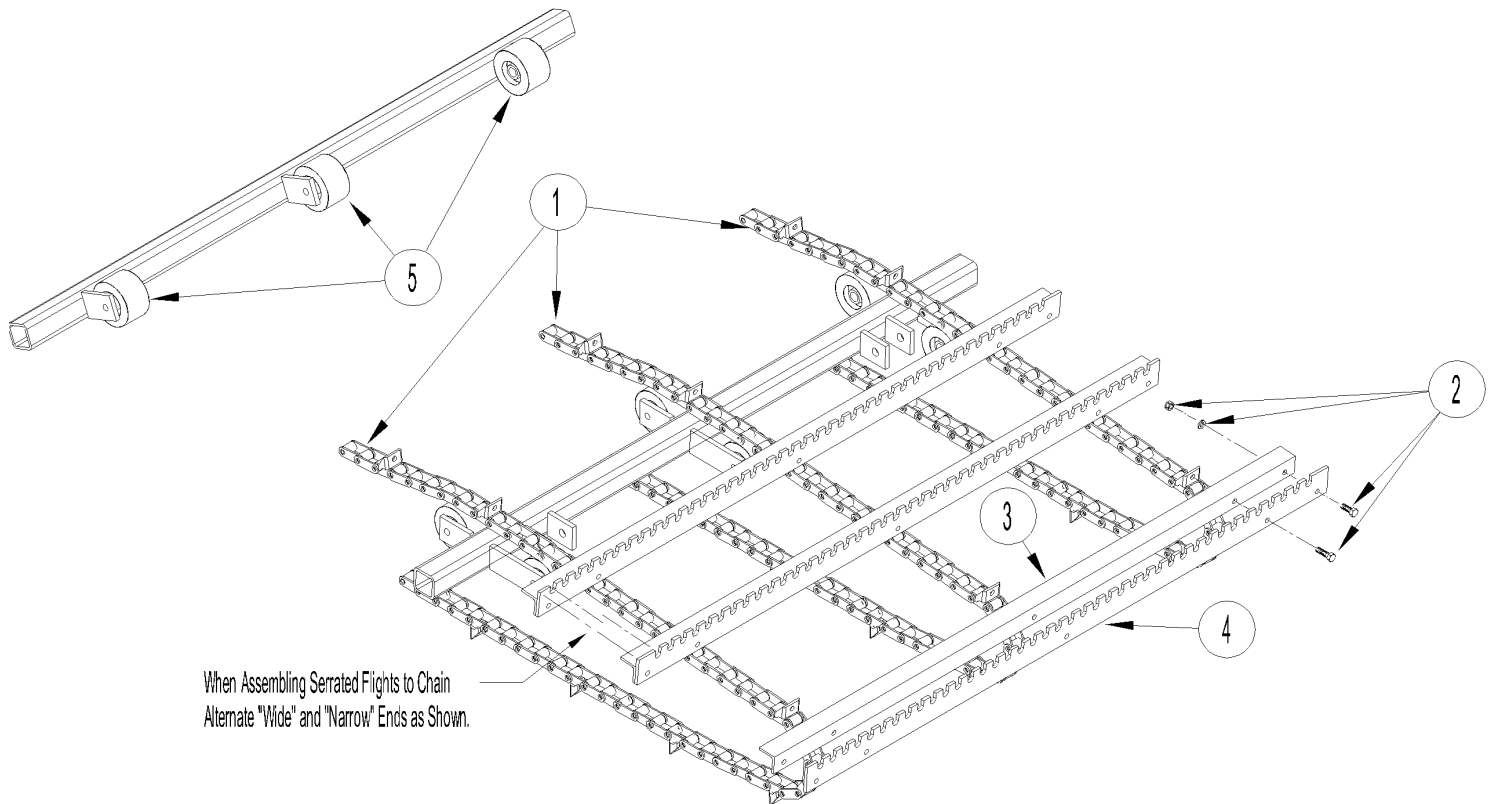
# OSCILLATOR MECHANISM

| REF NO. | PART NO. | DESCRIPTION                                   | QTY |
|---------|----------|-----------------------------------------------|-----|
| 1       | 002065A  | SHAFT ASSEMBLY, OSCILLATOR (INCLUDES 2&3)     | 1   |
| 2       | 002065SA | SHAFT ASSY, OSC SUB                           | 1   |
| 3       | 000691M  | BEARING, OSC, 2" SEALMASTER                   | 7   |
| 4       | 000067M  | KEY, OSCILLATOR COUPLING                      | 1   |
|         | P272900  | COUPLING ASSEMBLY (INCLUDES 5, 6, & 7)        |     |
| 5       | P272960  | COUPLING HALF: 1-1/2" BORE FLEX               | 1   |
| 6       | P272990  | CPLG INSERT: 90 DURO SPIDER                   | 1   |
| 7       | P272930  | COUPLING HALF: 1" BORE FLEX                   | 1   |
| 8       | 003457   | MOTOR ASSY, OSC (1017) (INCLUDES 9 & 10)      | 1   |
| 9       | P356000  | BASE BLOCK: C/L 123-1008                      | 1   |
| 10      | P351100  | MTR: C/L #101-1017                            | 1   |
|         |          | INCLUDES: P307300 KEY: WOODRUFF 1/4 X 1 NO.15 | 1   |
|         |          | P350900: SEAL KIT FOR MTR: C/L #101-1017      |     |



# #620 CONVEYOR CHAIN FLIGHT SYSTEM

| <u>REF. NO.</u>                           | <u>PART NO.</u> | <u>DESCRIPTION</u>                       | <u>QTY</u> |
|-------------------------------------------|-----------------|------------------------------------------|------------|
| 1                                         | P632800         | CHAIN: #620 CONV 26 CLT** SEE NOTE BELOW | 3          |
| <b><u>Repair Parts for Ref. No. 1</u></b> |                 |                                          |            |
|                                           | P630403         | CHAIN LINK: #620 OFFSET                  |            |
|                                           | P630400         | CHAIN LINK: #620 CONNECTOR               |            |
|                                           | P630401         | CHAIN LINK: #620 ATTACHMENT              |            |
| 2                                         | 005351          | KIT: FLIGHT MOUNTING                     | 1          |
| <b><u>Kit Parts:</u></b>                  |                 |                                          |            |
|                                           | P100604         | BOLT: 3/8"-16 NC X 1"                    | 52         |
|                                           | P100605         | BOLT: 3/8"-16NC X 1-1/4"                 | 78         |
|                                           | P851106         | WASHER: LOCK 3/8"                        | 130        |
|                                           | P155450         | NUT: TOP-LOCK 3/8"                       | 130        |
| 3                                         | 000053M         | FLIGHT MOUNTING ANGLE                    | 26         |
| 4                                         | 000052M         | FLIGHT BLADE: 52" X 2-1/4"               | 26         |
| 5                                         | P761100         | SNUGULATOR: 2500BD1X                     | 9          |

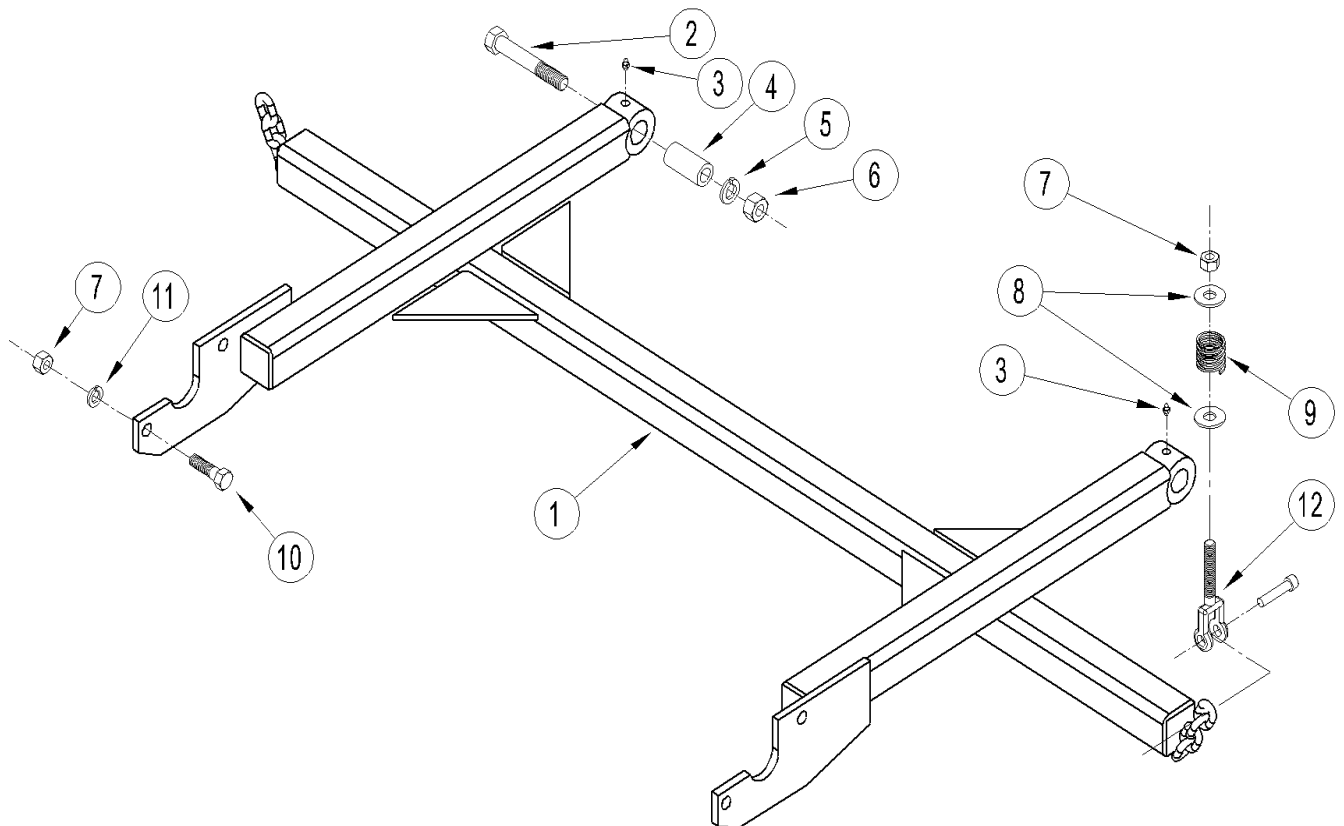


**\*\* REPLACE CHAIN WITH UPDATED P/N 71.P632820**

**\*NOTE CONVEYOR CHAINS / FLIGHTS / SHAFTS MAY HAVE BEEN CONVERTED TO #100 STYLE  
 CONVERTED UNITS WILL HAVE QTY 2 CONVEYOR CHAINS  
 SEE ADDITONAL SECTION FOR REPLACEMENT #100 CONVEYOR ITEMS**

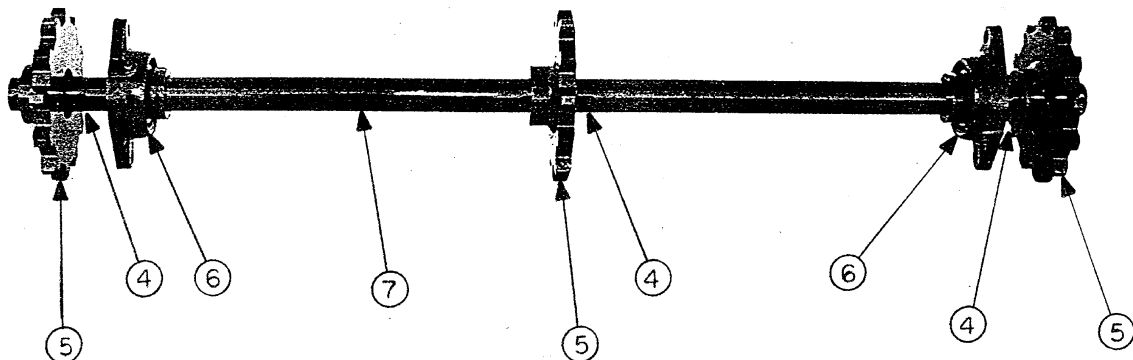
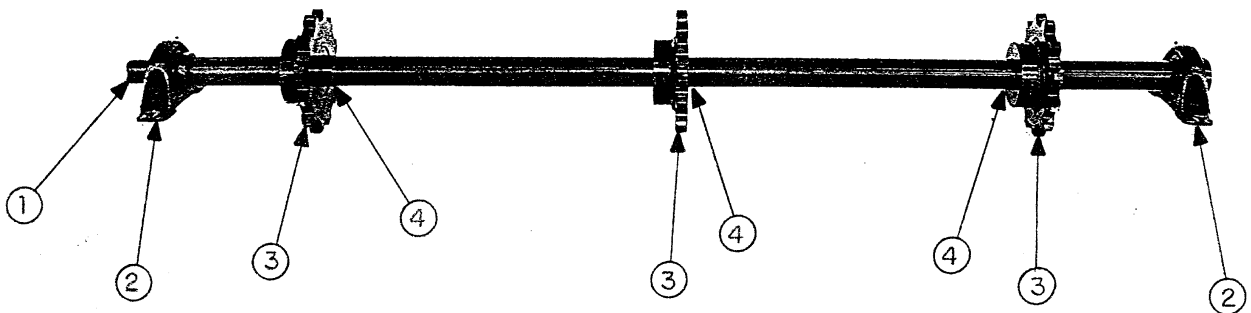
# CONVEYOR SUPPORT ASSEMBLY

| REF NO. | PART NO. | DESCRIPTION                    | QTY |
|---------|----------|--------------------------------|-----|
| 1       | 005249   | CONVEYOR SUPPORT               | 1   |
| 2       | P101016  | BOLT: 5/8-11 NC X 4" GRD 8     | 2   |
| 3       | P620200  | GREASE FITTING: 1/4" STRAIGHT  | 2   |
| 4       | 000026M  | SPACER, STABILIZER (2-1/16")   | 2   |
| 5       | P851110  | WASHER: LOCK 5/8"              | 2   |
| 6       | P157500  | NUT: 5/8-11 TOP-LOCK           | 2   |
| 7       | P155850  | NUT: 1/2" TOP-LOCK             | 6   |
| 8       | P850108  | WASHER: FLAT ZINC 1/2"         | 4   |
| 9       | 002122   | SPRING, FRONT CONVEYOR SUPPORT | 2   |
| 10      | P100807  | HEX BOLT: 1/2" X 1-3/4"        | 4   |
| 11      | P851108  | WASHER: LOCK 1/2"              | 4   |
| 12      | P135190  | JAW END: 1/2"-13 X 9"          | 2   |



# #620 CONVEYOR CHAIN SHAFT ASSEMBLY: FRONT & REAR

| REF NO. | PART NO. | DESCRIPTION                                        | QTY |
|---------|----------|----------------------------------------------------|-----|
| 1       | 000454M  | SHAFT, REAR CONVEYOR (1-3/4")                      | 1   |
| 2       | P015100  | BEARING: FAF 1-7/16" PB                            | 2   |
| 3       | 000324W  | SPROCKET, 620 12T 1-3/4" B                         | 3   |
| 4       | 000328M  | KEY, CONVEYOR SHAFT                                | 3   |
|         | 000454A  | SHAFT, ASSY, REAR CONVEYOR<br>(INCLUDES: 1 THRU 4) | 1   |
| 5       | 000257W  | SPROCKET, 620 12T 1-7/16" B                        | 3   |
| 6       | P015110  | BEARING: FAF TCJT 1-7/16"                          | 2   |
| 7       | 000272M  | SHAFT, FRONT CONVEYOR                              | 1   |
|         | 000272A  | SHAFT ASSY, FRONT CONVEYOR<br>(INCLUDES: 4 THRU 7) | 1   |

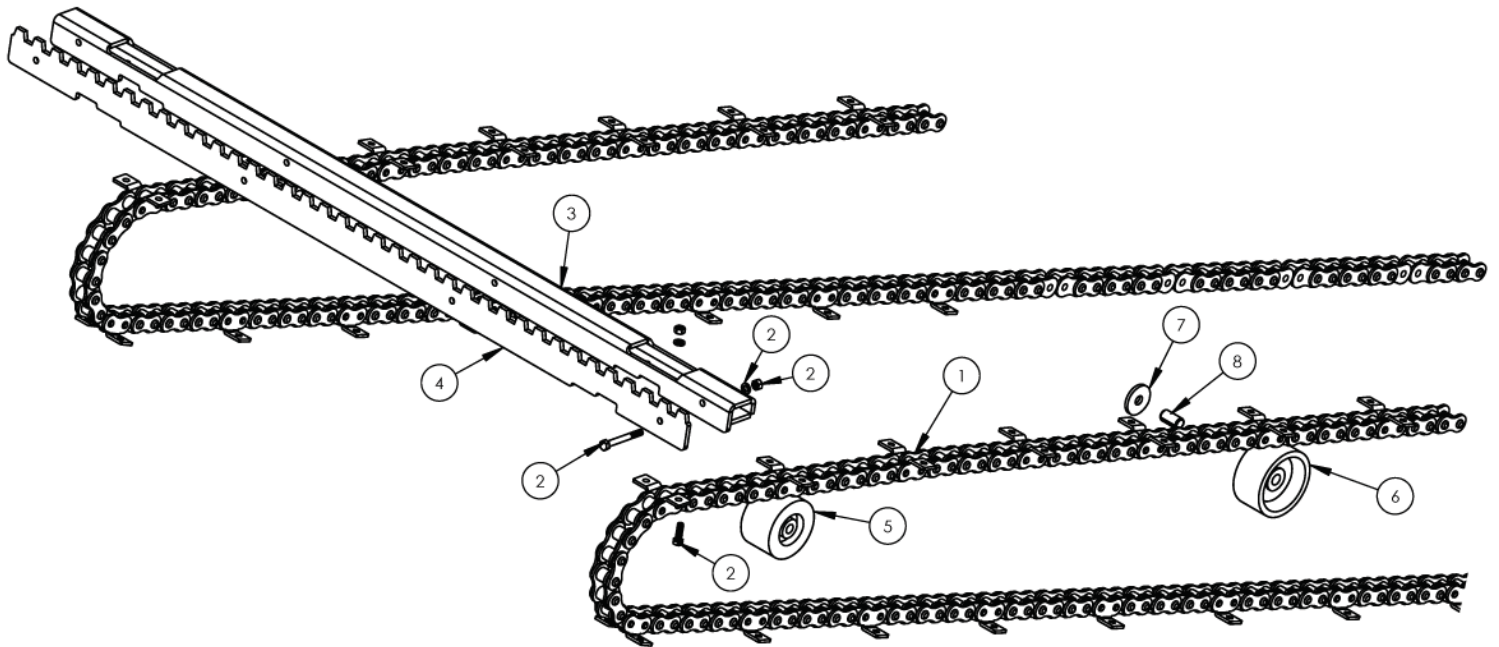


\*NOTE CONVEYOR CHAINS / FLIGHTS / SHAFTS MAY HAVE BEEN CONVERTED TO #100 STYLE  
 CONVERTED UNITS WILL HAVE QTY 2 CONVEYOR CHAINS  
 SEE ADDITONAL SECTION FOR REPLACEMENT #100 CONVEYOR ITEMS

# #100 CONVEYOR CHAIN FLIGHT SYSTEM

| <u>REF. NO.</u>                           | <u>PART NO.</u> | <u>DESCRIPTION</u>                      | <u>QTY</u> |
|-------------------------------------------|-----------------|-----------------------------------------|------------|
| 1                                         | P632110         | CHAIN: #100 CONV 25 CLT**SEE NOTE BELOW | 2          |
| <b><u>Repair Parts for Ref. No. 1</u></b> |                 |                                         |            |
|                                           | P630101         | CHAIN LINK: #100 OFFSET                 |            |
|                                           | P630100         | CHAIN LINK: #100 CONNECTOR              |            |
| 2                                         | 500295          | KIT: FLIGHT MOUNTING                    | 1          |
| <b><u>Kit Parts:</u></b>                  |                 |                                         |            |
|                                           | P100504         | BOLT: 5/16"-18 NC X 1"                  | 100        |
|                                           | P100511         | BOLT: 5/16"-18 NC X 2-3/4"              | 100        |
|                                           | P851105         | WASHER: LOCK 5/16"                      | 200        |
|                                           | P155350         | NUT: TOP-LOCK 5/16"                     | 200        |
| 3                                         | 500283          | FLIGHT BACK UP MT                       | 25         |
| 4                                         | 500279          | FLIGHT BLADE 5000-100                   | 25         |
| 5                                         | P761100         | SNUGULATOR: 2500BD1X (FRONT)            | 4          |
| 6                                         | P761300         | URETHANE ROLLER (REAR)                  | 2          |
| 7                                         | M5009-5         | WASHER (REAR)                           | 2          |
| 8                                         | 500325          | IDLER SLEEVE (REAR)                     | 2          |

**\*\*REPLACE CHAIN WITH UPDATED P/N 71.P632144**



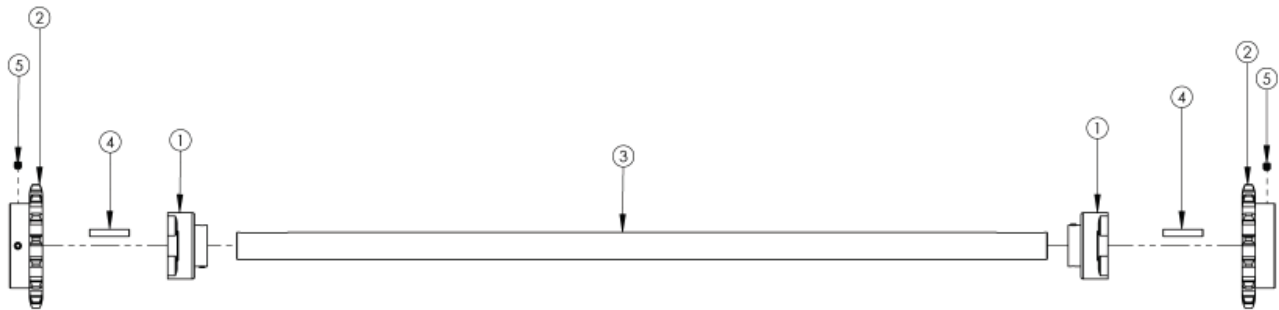
## CHAIN REPAIR ITEMS:

71.P632143 #100 K1 ATTACHMENT LINK  
 71.P632142 MASTER CONNECTING LINK  
 71.P632141 1/2 LINK ( OFFSET )

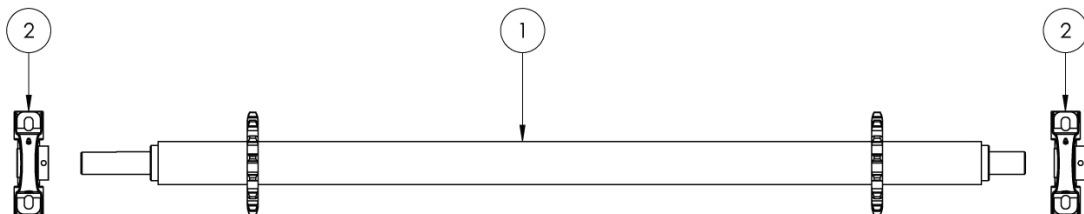


# #100 CONVEYOR CHAIN SHAFT ASSEMBLY: FRONT & REAR

| ITEM NO. | QTY. | PART NO. | DESCRIPTION                                  |
|----------|------|----------|----------------------------------------------|
| 1        | 2    | P015110  | BEARING: 1-7/16 2 BOLT FLANGE                |
| 2        | 2    | P691015  | SPROCKET: H100B15 X 1.438" B KW/2S           |
| 3        | 1    | 500285   | SHAFT: CONV FRONT                            |
| 4        | 2    | 000534M  | KEY: 3/8 X 2-1/8                             |
| 5        | 4    | P108606  | SET SCREW, 3/8-16 X 3/8                      |
| *        | 1    | 500284   | COMPLETE SHAFT ASSEMBLY CONTAINS ITEMS #1-#5 |



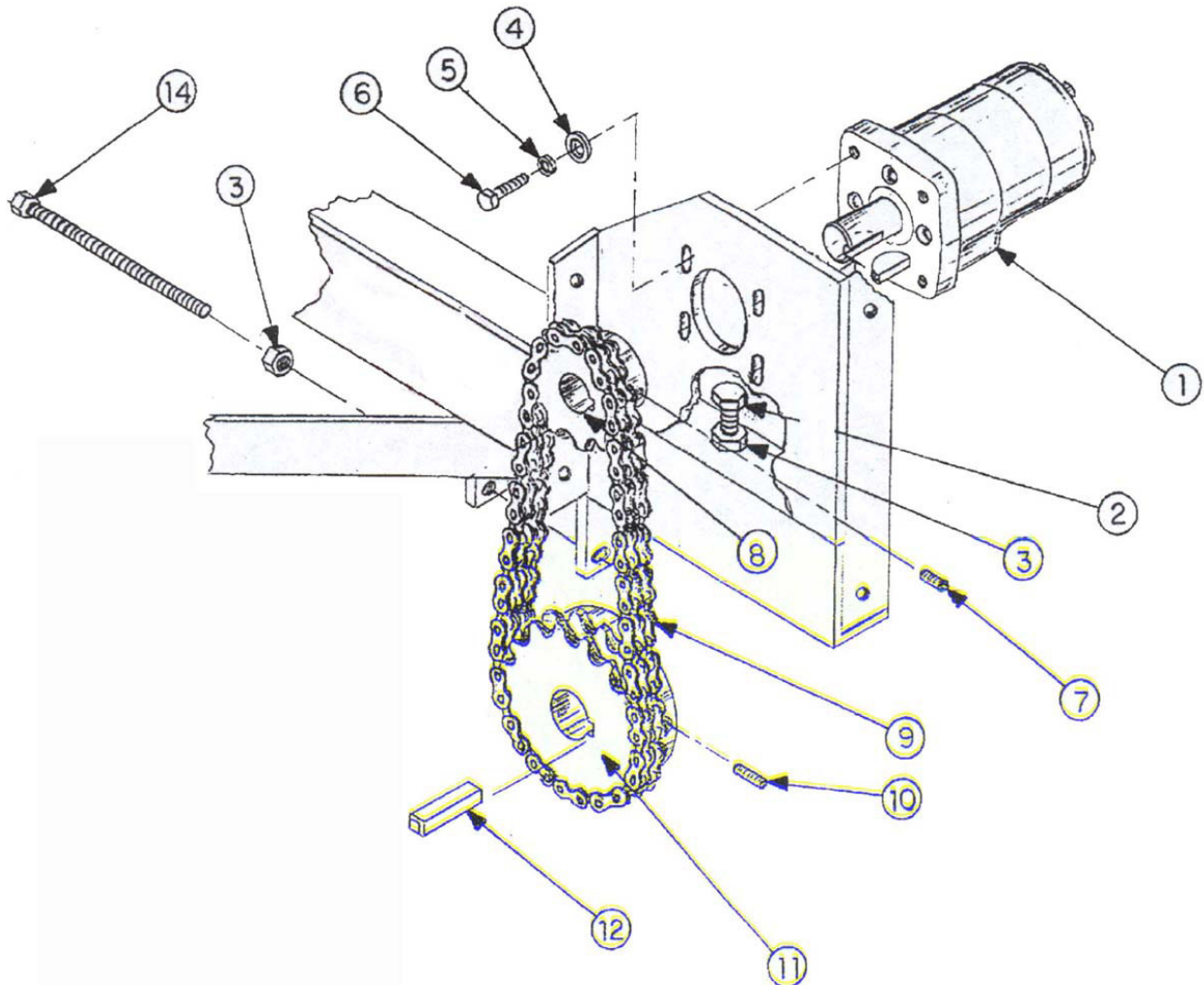
| REF NO. | PART NO. | DESCRIPTION                    | QTY |
|---------|----------|--------------------------------|-----|
| 1       | 500280   | WLD: SHAFT REAR CONV 5000-100  | 1   |
| 2       | 500169   | BEARING: 1-7/16" PB SPOT FACED | 2   |





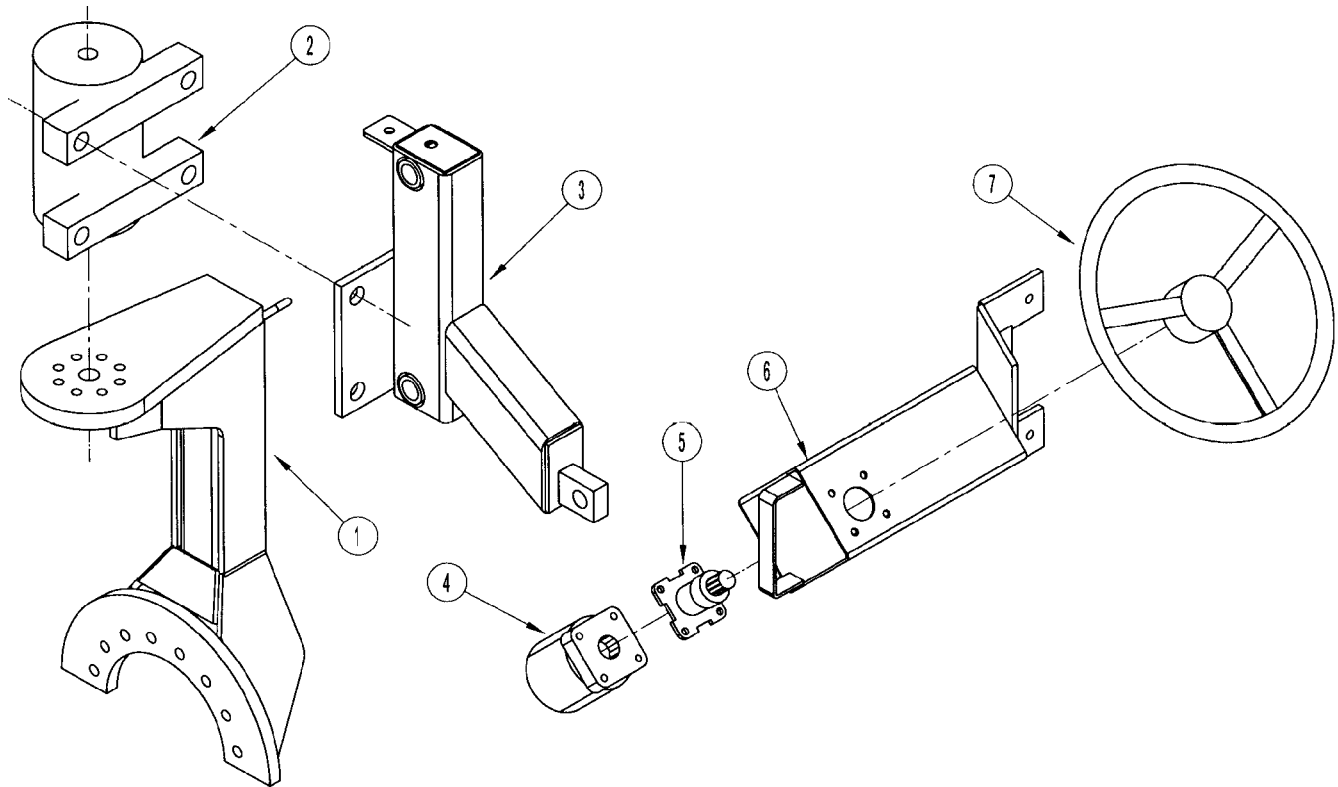
# CONVEYOR DRIVE MECHANISM

| REF NO. | PART NO.                      | DESCRIPTION                            | QTY |
|---------|-------------------------------|----------------------------------------|-----|
| 1       | P352450                       | MOTOR: C/L 158-1571 8.0 CID "T" SERIES | 1   |
| P307300 | KEY: WOODRUFF 1/4" X 1 NO. 15 |                                        | 1   |
| 2       | P100808                       | HEX BOLT: 1/2" X 2"                    | 1   |
| 3       | P150800                       | HEX NUT 1/2" PLATED                    | 3   |
| 4       | P850106                       | WASHER: FLAT ZINC 3/8"                 | 4   |
| 5       | P851106                       | WASHER: LOCK 3/8"                      | 4   |
| 6       | P100604                       | BOLT: 3/8-16 NC X 1"                   | 4   |
| 7       | P108606                       | SET SCREW: 3/8" NC X 3/8"              | 1   |
| 8       | P652101                       | SPROCKET: D50B13HT 1" BORE             | 1   |
| 9       | 002175                        | CHAIN, #50 DOUBLE<br>(INCLUDES:)       | 1   |
|         | P630203                       | CONNECTING LINK : #50-2                | 1   |
| 10      | P108612                       | SET SCREW: 3/8-16 NC X 3/4"            | 1   |
| 11      | P652230                       | SPROCKET: D50B23HT 1-7/16" BORE        | 1   |
| 12      | 000534M                       | KEY, CONVEYOR SPROCKET – DRIVEN        | 1   |
| 14      | 000374W                       | BOLT, REAR SHAFT ADJUSTMENT            | 2   |



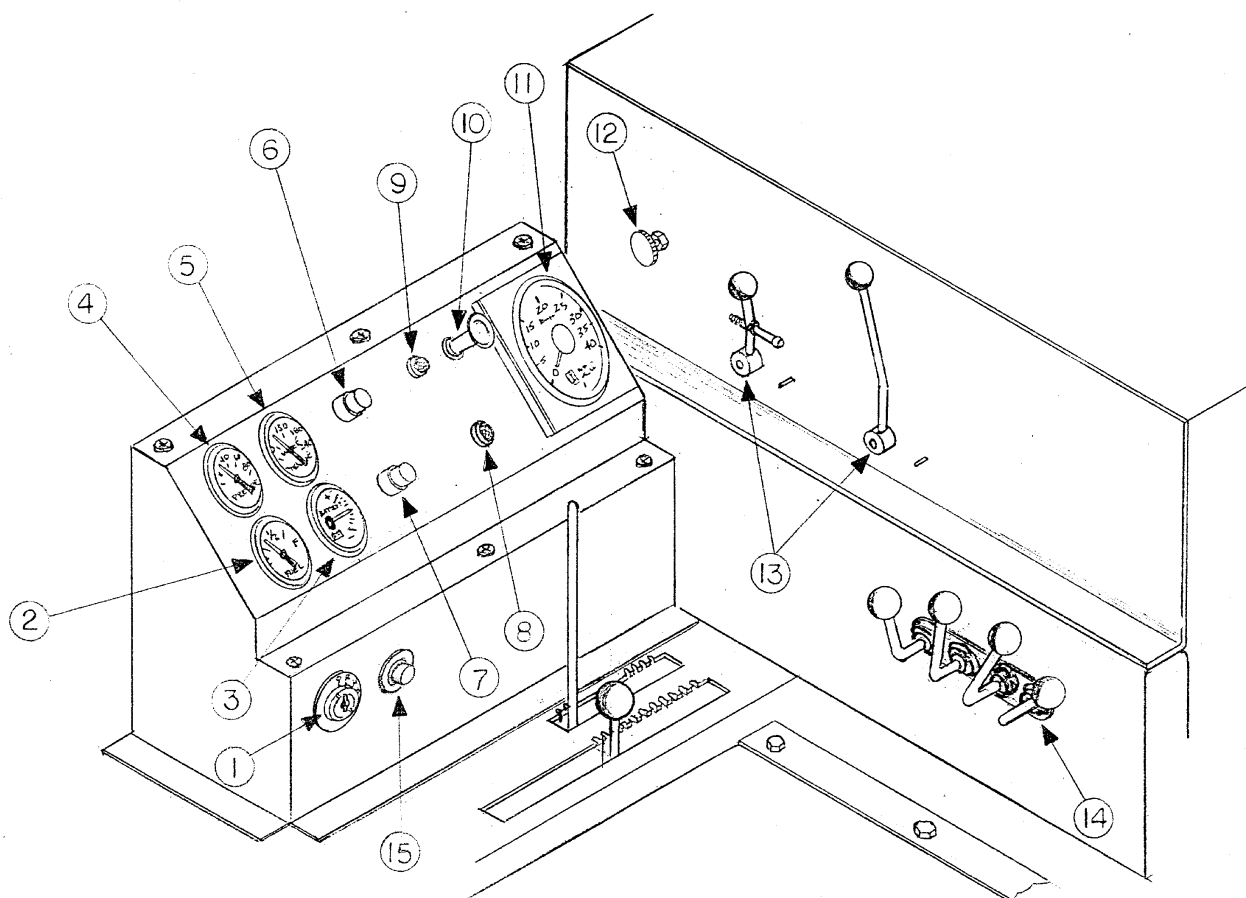
# POWER STEERING COMPONENTS

| REF NO. | PART NO. | DESCRIPTION                      | QTY |
|---------|----------|----------------------------------|-----|
| 1       | 005294   | FORK: MSE03/HELAC                | 1   |
| 2       | P352500  | ACTUATOR: HELAC STEERING L20-15E | 1   |
| 3       | 005247   | BRKT: HELAC MOUNT                | 1   |
| 4       | P352200  | MOTOR: PS, C/L 213-4002          | 1   |
| 5       | P768510  | STEERING COLUMN: C/L 204-1002    | 1   |
| 6       | 005346   | STEERING BOX                     | 1   |
|         | 005349   | STEERING BOX COVER               | 1   |
| 7       | P768500  | STEERING WHEEL                   | 1   |



# CONTROLS AND GAUGES

| REF NO. | PART NO. | DESCRIPTION                | QTY |
|---------|----------|----------------------------|-----|
| 1       | P298140  | SWITCH: IGN CH#9578        | 1   |
| 2       | P297120  | GAUGE: FUEL TANK           | 1   |
| 3       | P297280  | GAUGE: VOLTMETER           | 1   |
| 4       | P297210  | GAUGE: OIL PRESSURE        | 1   |
| 5       | P297290  | GAUGE: WATER TEMP          | 1   |
| 6       | 002444   | FUSEHOLDER, RING/SPADE     | 1   |
| 7       | 002443   | FUSEHOLDER, RING/BUTT      | 1   |
| 8       | P312400  | LIGHT: INDICATOR RED       | 1   |
| 9       | P312300  | LIGHT: INDICATOR GREEN     | 1   |
| 10      | P298145  | SWITCH: LIGHT              | 1   |
| 11      | P297270  | GAUGE: TACH/HM             | 1   |
| 12      | P294300  | VALVE: NEEDLE NVG          | 1   |
| 13      | 002291   | VALVE, FLOW CONTROL        | 2   |
| 14      | 005149   | VALVE BANK ASSY, HUSCO     | 1   |
| 15      | P298170  | SWITCH: START, PUSH BUTTON | 1   |



# HOPPER AND ROLLOVER COMPONENTS

| REF NO. | PART NO. | DESCRIPTION                                  | QTY |
|---------|----------|----------------------------------------------|-----|
| 1       | 005278   | HOPPER WELDMENT, HD                          | 1   |
| 2       | 005280   | BOOM WELDMENT CLEVIS TYPE                    | 1   |
| 3       | 000124W  | HOOD WELDMENT                                | 1   |
| 4       | 005283   | ROLLOVER CHAIN GUARD                         | 1   |
| 5       | 005272   | SPUD, HOPPER RIGHT                           | 1   |
| 6       | 005271   | SPUD, HOPPER LEFT                            | 1   |
| 7       | 003032   | CRANK, HOPPER                                | 1   |
| 8       | 000267W  | SPROCKET, HOPPER-DRIVEN 16T                  | 1   |
| 9       | 005095   | CHAIN, HOPPER ROLLOVER<br>(INCLUDES ITEM 10) | 2   |
| 10      | 000284P  | CHAIN LINK, #80 CONNECTOR                    | 4   |
| 11      | P259330  | CYLINDER, 2B X 8S W/CAV                      | 1   |
|         | P294250  | VALVE, PILOT CHECK CARTRIDGE                 |     |
|         | P259306  | SEAL KIT, RKT2-0096                          |     |
| 12      | 000243W  | BOOM SWIVEL WELDMENT, LH                     | 1   |
| 13      | 000292M  | BOOM SWIVEL, RH                              | 1   |
| 14      | 000358M  | STOP, RUBBER                                 | 2   |
| 15      | 000268A  | TURN BUCKLE ASSEMBLY                         | 2   |
| 16      | 00274M   | COLLAR, RETAINING, HOPPER CRANK              | 1   |
| 17      | P104806  | CARRIAGE BOLT, 1/2-13 X 1-1/2"               | 12  |
| 18      | P122608  | 3/8" X 2" ROLL PIN                           | 1   |
| 19      | P852020  | WASHER, FENDER 1/2"                          | 2   |
| 20      | 000550W  | PIN, ROLLOVER CYLINDER                       | 1   |
| 21      | 000366M  | PIN, CLEVIS (5/8 BOLT)                       | 2   |
| 22      | P120850  | PIN, CLEVIS 1"                               | 1   |
| 23      | P118010  | CLIP, CLEVIS PIN                             | 2   |
| 24      | P620200  | GREASE FITTING: 1/4" STRAIGHT                | 4   |
| 25      | 000069M  | KEY, HOPPER SPROCKET                         | 1   |
| 26      | P108604  | SET SCREW, 3/8-16 NC X 1/4"                  | 1   |
| 27      | P850104  | WASHER, FLAT, 1/4"                           | 20  |
| 28      | P851104  | WASHER, LOCK, 1/4"                           | 20  |
| 29      | P851106  | WASHER, LOCK, 3/8"                           | 2   |
| 30      | P851108  | WASHER, LOCK, 1/2"                           | 14  |
| 31      | P851110  | WASHER, LOCK, 5/8"                           | 2   |
| 32      | P155450  | NUT, TOP LOCK, 3/8"                          | 2   |
| 33      | P155850  | NUT, TOP LOCK, 1/2"                          | 14  |
| 34      | P157500  | NUT, TOP LOCK, 5/8"                          | 2   |
| 35      | P100403  | BOLT, HEX, 1/4-20 NC X 3/4"                  | 20  |
| 36      | P100812  | BOLT HEX 1/2-13NC X 3"                       | 2   |
| 37      | P100805  | BOLT, HEX, 1/2-13 X 1-1/4"                   | 2   |

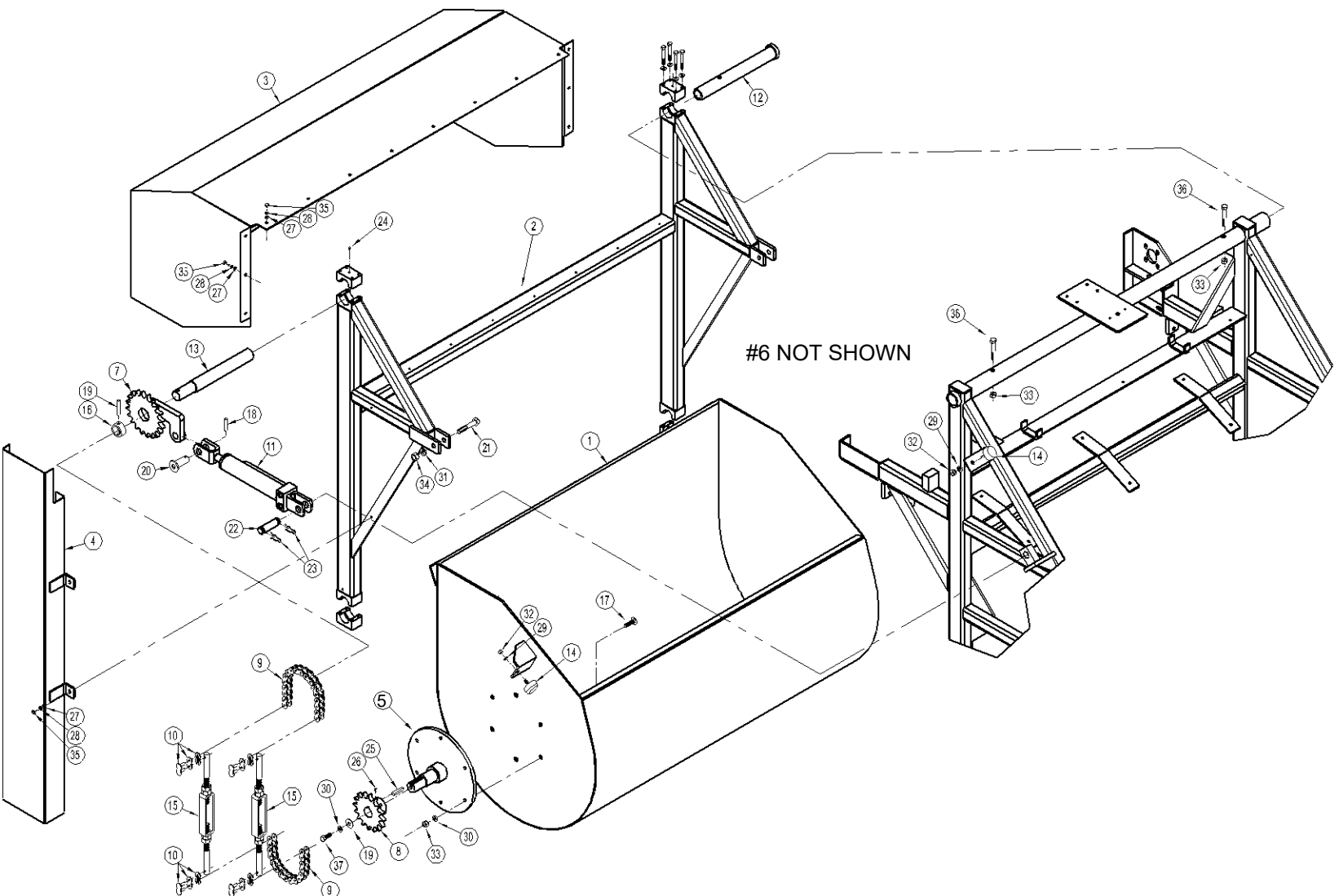
**\*NOT SHOWN:**

71.P259315 CYLINDER: BOOM LIFT / LOWER 5/8" PIN BOSS

71.P259316 SEAL KIT

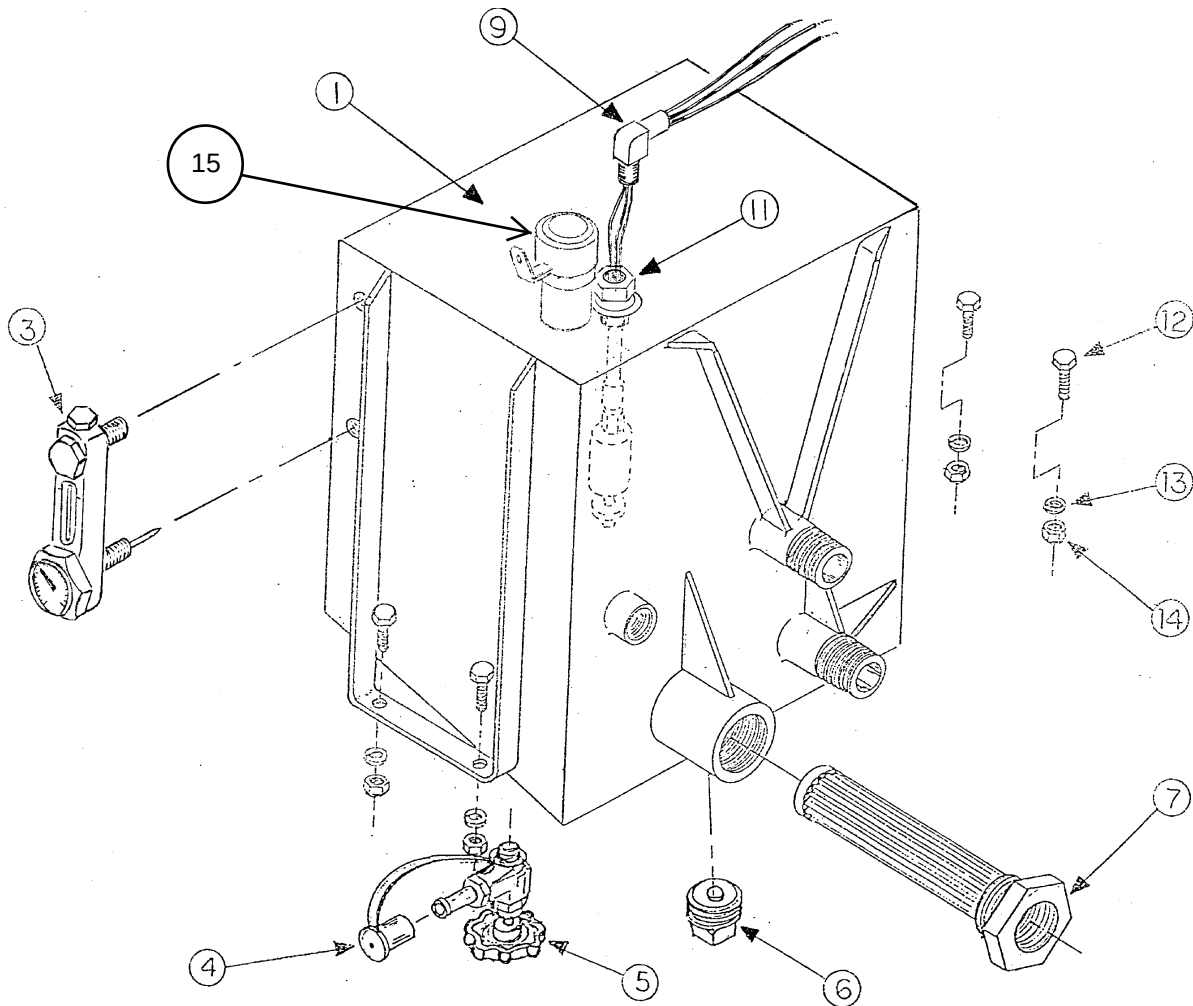
71.P294250 VALVE: LOAD CHECK

# HOPPER AND ROLLOVER COMPONENTS



# OIL TANK ASSEMBLY

| REF NO. | PART NO.   | DESCRIPTION                                       | QTY |
|---------|------------|---------------------------------------------------|-----|
| 1       | 005086     | TANK, HYD ASSY, 5000<br>(INCLUDES: 6, 7, 9, & 11) | 1   |
| 3       | P297220    | GAUGE: OIL SIGHT                                  | 1   |
| 4       | P115920    | CAP: DUST, OIL TANK DRAIN                         | 1   |
| 5       | P294010    | VALVE: OIL TANK DRAIN                             | 1   |
| 6       | P270360    | PLUG: MAGNETIC DRAIN 1-1/2"                       | 1   |
| 7       | P780100    | STRAINER: HYD OIL                                 | 1   |
| 9       | P266020    | ELBOW: BRASS 3/8" NPT X 5/8"                      | 1   |
| 11      | 005092     | SENDER ASSY, HYD LEVEL/TEMP                       | 1   |
| 12      | P100605    | BOLT: 3/8-16 NC X 1-1/4"                          | 4   |
| 13      | P851106    | WASHER: LOCK 3/8"                                 | 4   |
| 14      | P155450    | NUT: 3/8" TOP-LOCK                                | 4   |
| 15      | 71.P610000 | FILL CAP                                          |     |



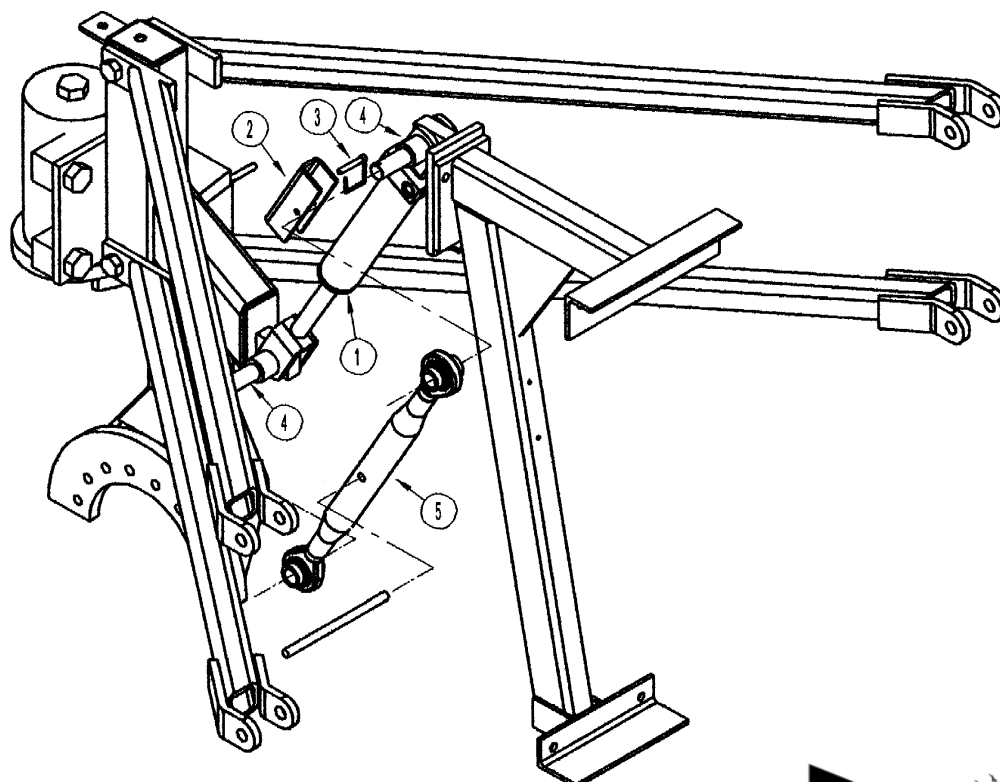
# EMERGENCY TOW JACK

INSTRUCTIONS: IN CASE OF POWER OR DIGGER CYLINDER FAILURE, USE THE SCREW JACK (LOCATED IN TUBE BELOW OPERATORS PLATFORM) TO RAISE DIGGER POINTS TO ALLOW FOR TOWING.

FOLLOW THESE STEPS:

1. REMOVE SCREW HOLDING END CAP ONTO TUBE. AFTER REMOVING CAP, REMOVE THE SCREW JACK AND JACK HANDLE FROM INSIDE THE TUBE.
2. ATTACH SCREW JACK ONTO PINS ATTACHING DIGGER CYLINDER TO MACHINE.
3. USE THE SUPPLIED JACK HANDLE TO TURN JACK, WHILE PERIODICALLY RELEASING LINE PRESSURE BY OPERATING 'DIGGER' VALVE HANDLE.
4. FOR ADDED SAFETY, INSTALL SAFETY STOP AND STROKE CONTROL SET ON THE DIGGER CYLINDER.

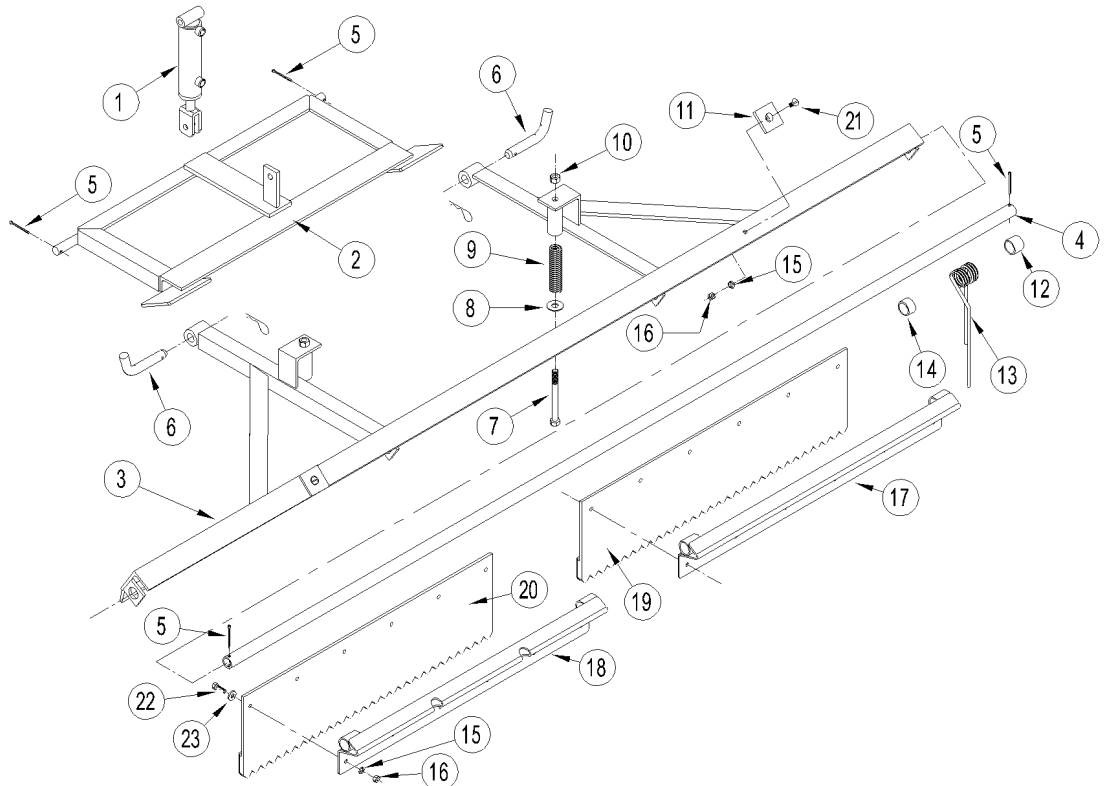
| REF NO. | PART NO. | DESCRIPTION                   | QTY |
|---------|----------|-------------------------------|-----|
| 1       | P259305  | CYLINDER, 2B X 10S w/CAV      | 1   |
| 2       | 003076   | STOP, DIGGER CYLINDER, SAFETY | 1   |
| 3       | P123005  | LOCK PIN: 5/16"               | 1   |
| 4       | 005248   | PIN: CYL/JACK                 | 2   |
| 5       | P301400  | JACK: SCREW TL174             | 1   |





# GROOMER ASSY

| REF NO. | PART NO. | DESCRIPTION                                   | QTY |
|---------|----------|-----------------------------------------------|-----|
| 1       | P259150  | CYLINDER, GROOMER                             | 1   |
|         | P259151  | SEAL KIT: RKT 1.5-0047                        | 1   |
| 2       | 004864   | LIFT BRKT, GROOMER                            | 1   |
| 3       | 004862   | GROOMER BAR                                   | 1   |
| 4       | 004229   | PIPE, SPRING MOUNT                            | 1   |
| 5       | P116308  | COTTER PIN: 3/16" X 2"                        | 4   |
| 6       | P121200  | BENT HITCH PIN: 3/4" X 3-1/2"                 | 2   |
| 7       | P100822  | BOLT: 1/2-13 X 5-1/2"                         | 2   |
| 8       | P850108  | WASHER: FLAT ZINC 1/2"                        | 2   |
| 9       | P605700  | SPRING: DIE 5"                                | 2   |
| 10      | P155850  | NUT: 1/2" TOP-LOCK                            | 2   |
| 11      | 004883   | WEAR PAD, GROOMER                             | 2   |
| 12      | 004262   | (OPTIONAL) SPACER, GROOMER 1"                 | 33  |
| 13      | 004243   | (OPTIONAL) SPRING                             | 36  |
| 14      | 004263   | (OPTIONAL) SPACER, GROOMER 3/4"               | 2   |
| 15      | P851105  | WASHER: LOCK 5/16"                            | 20  |
| 16      | P150500  | HEX NUT: 5/16" PLATED                         | 20  |
| 17      | 005339   | GROOMER COMB BRKT; CENTER                     | 1   |
| 18      | 005340   | GROOMER COMB BRKT; OUTSIDE                    | 2   |
| 19      | 005337   | GROOMER COMB CENTER                           | 1   |
| 20*     | 005338   | GROOMER COMB OUTSIDE SEE NOTE FOR UPDATED P/N | 2   |
| 21      | P103810  | BOLT: FLAT HEAD 5/16" X 1"                    | 2   |
| 22      | P100504  | BOLT: 5/16-18 NC X 1"                         | 18  |
| 23      | P850105  | WASHER: FLAT ZINC 5/16"                       | 18  |

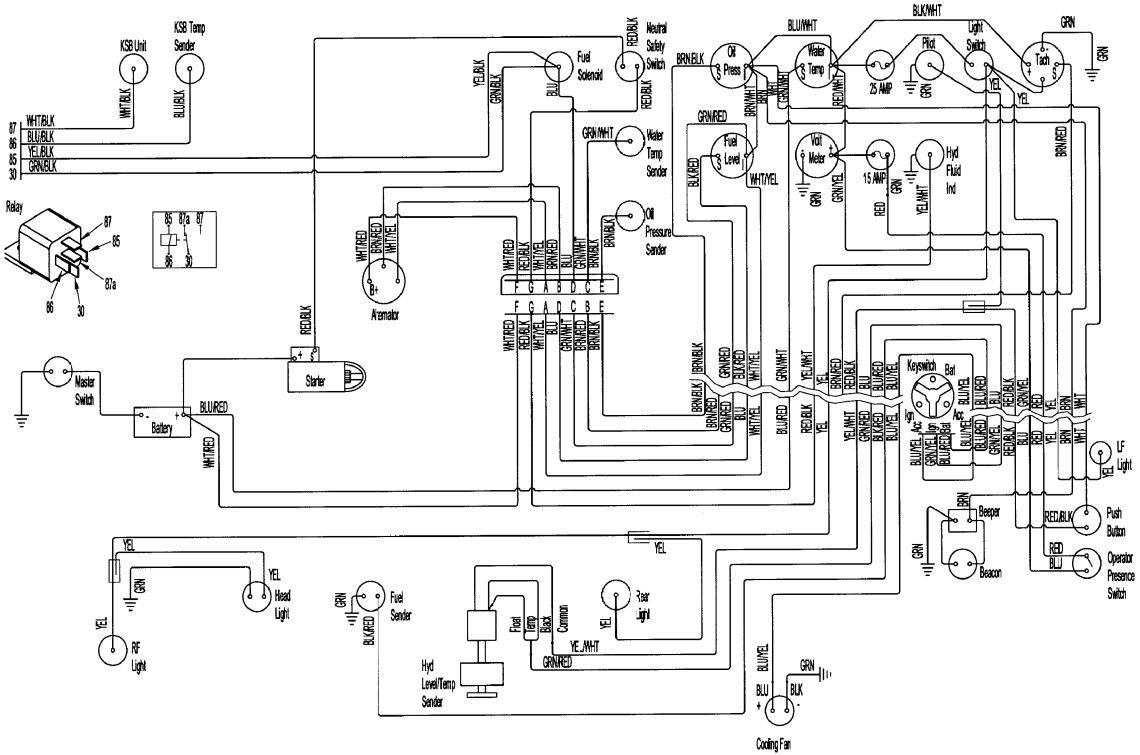


#20) 005338 GROOMER COMB OUTSIDE REPLACED BY P/N 71.500131 RIGHT AND 71.500132 LEFT

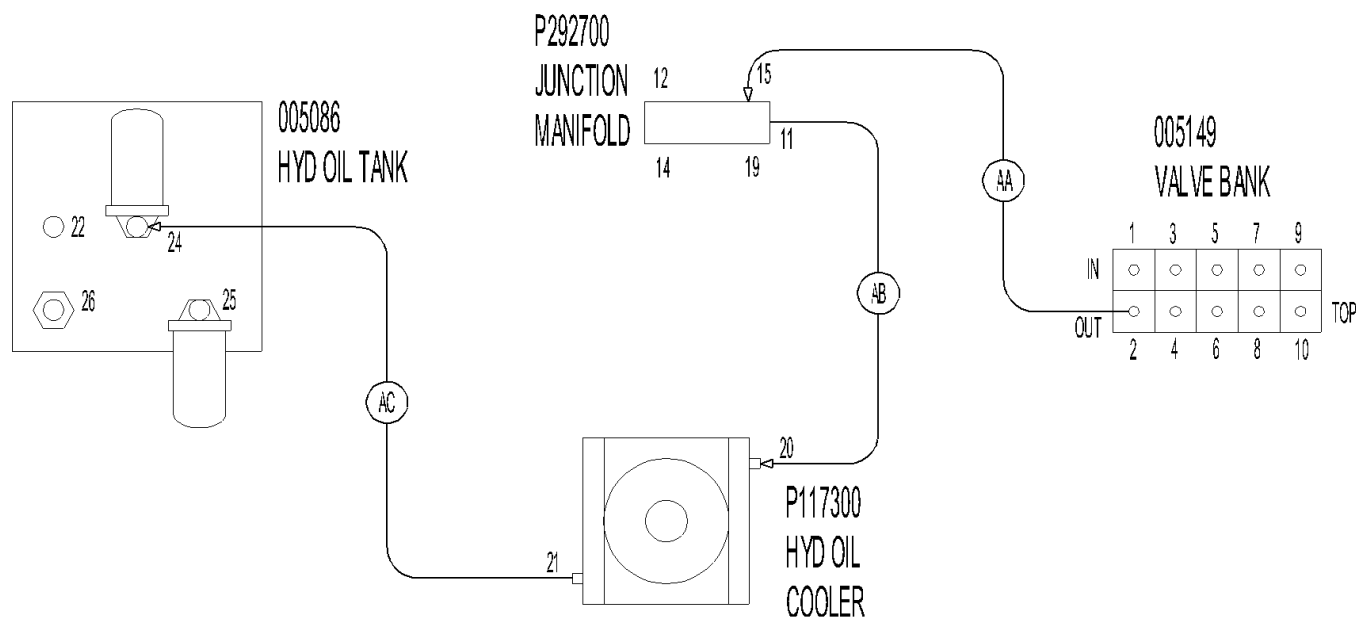
71.500089 COMPLETE GROOMER ASSEMBLY  
CONTAINS ITEM# 3, 4, 7-11, 15-23 FULLY ASSEMBLED



## WIRING DIAGRAM



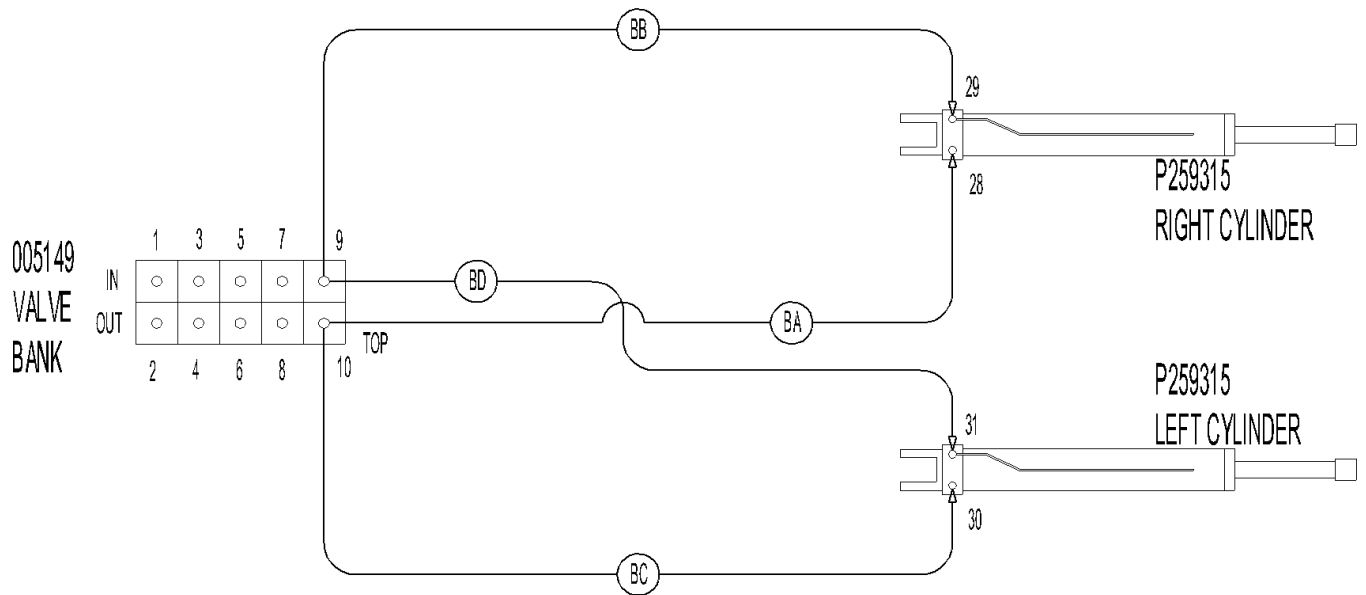
# HYDRAULIC RETURN/COOLER CIRCUIT



## 71.P117310 HYD COOLING FAN

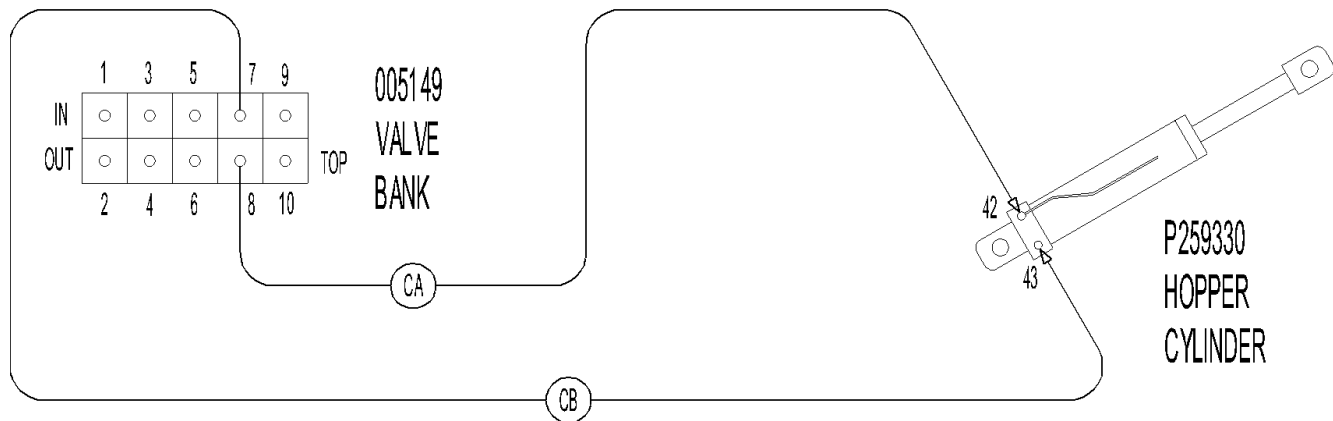
- AA. 12MJ-10MB, Hose P286052, 12MJ-10MB90
- AB. 16MJ-16MB90, Hose P288045, 16MJ-16MB90
- AC. 16MJ-16MB90, Hose P288021, 16MJ-20MB45, FILTER, 20MB-20FP

# HOPPER LIFT CIRCUIT



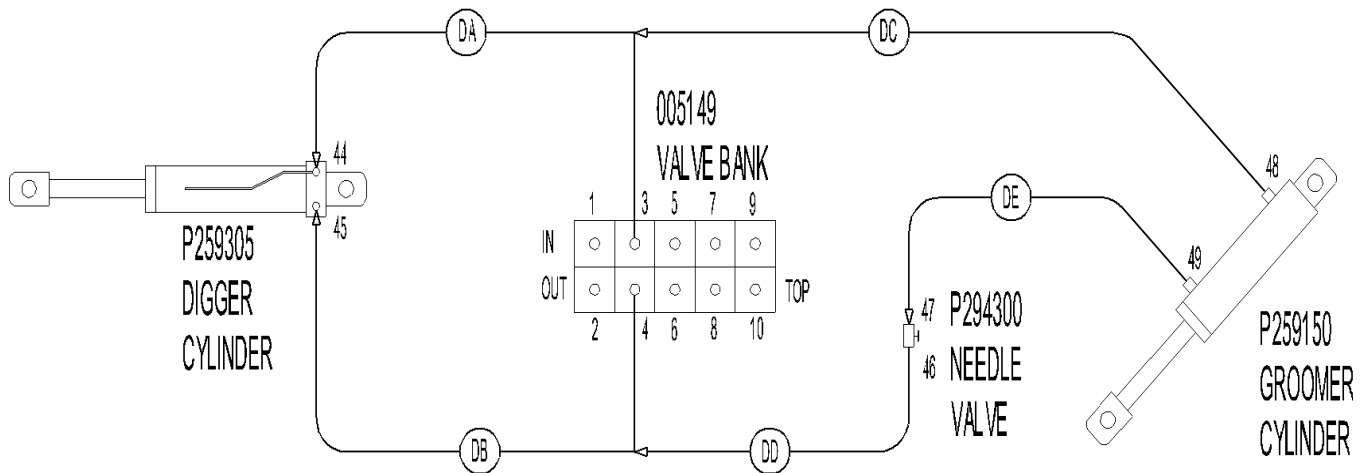
- BA. 6MJ-8MB .115R, 6MJ-6FJX-6MJ, Hose P283059, 6MJ-6MB90
- BB. 6MJ-8MB, 6MJ-6FJX-6MJ, Hose P283059, 6MJ-6MB90
- BC. Hose P283197, 6MJ-6MB90
- BD. Hose P283197, 6MJ-6MB90

# HOPPER ROLLOVER CIRCUIT



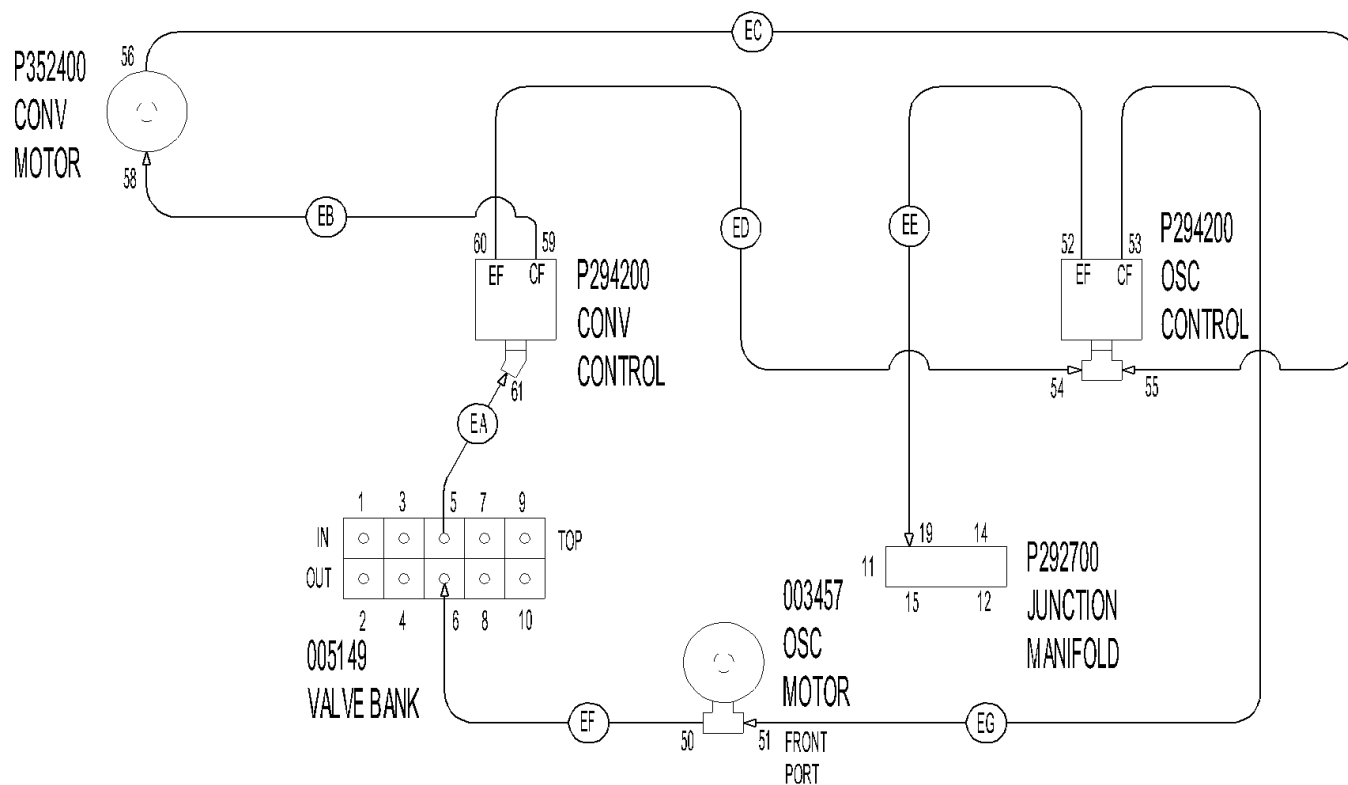
- CA. GP-8MJ-8MB-4FP, Hose P283811, 6MJ-6MB90  
CB. 6MJ-8MB .035R, Hose P283112, 6MJ-6MB90

# DIGGER/GROOMER CIRCUIT



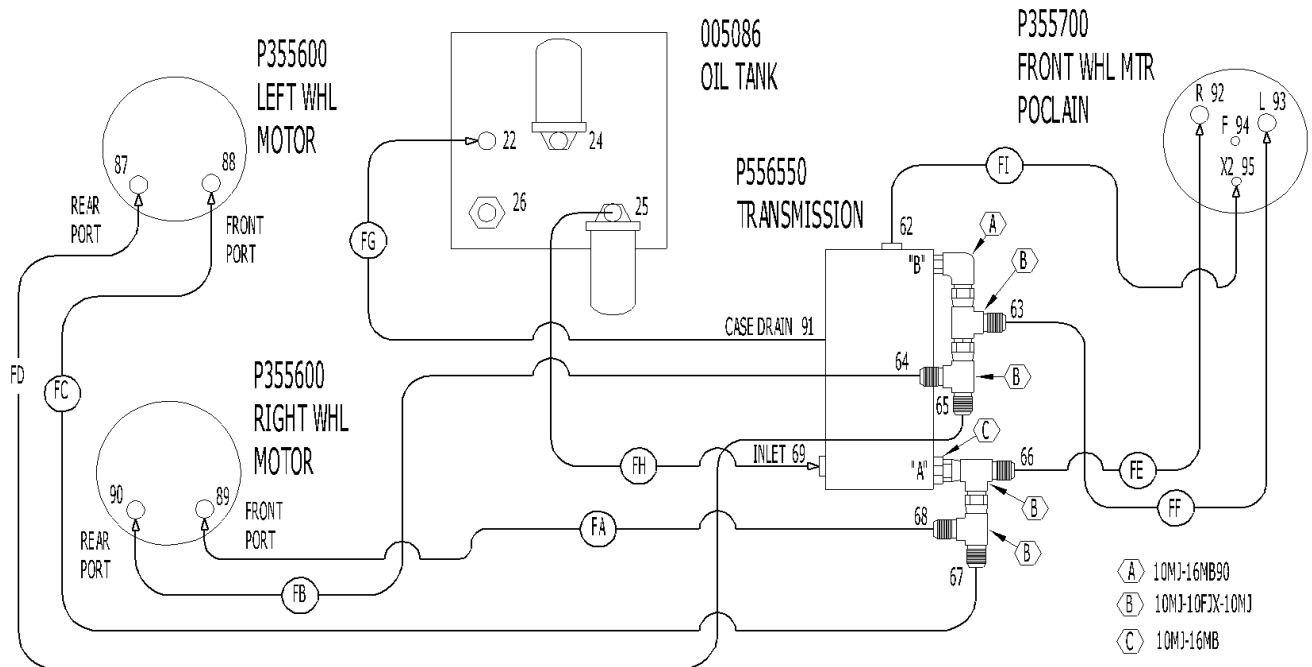
- DA. 6MJ-8MB, 6MJ-6FJX-6MJ, Hose P283124, 6MJ-6MB90
- DB. 6MJ-8MB .065R, 6MJ-6FJX-6MJ, Hose P283124, 6MJ-6MB90
- DC. 4MJ-4MP90, Hose P282126
- DD. 4MJ-4MP90, Hose P282024
- DE. 4MJ-4MP90, Hose P282150, 4MJ-4MP90

# CONVEYOR/OSCILLATOR CIRCUIT



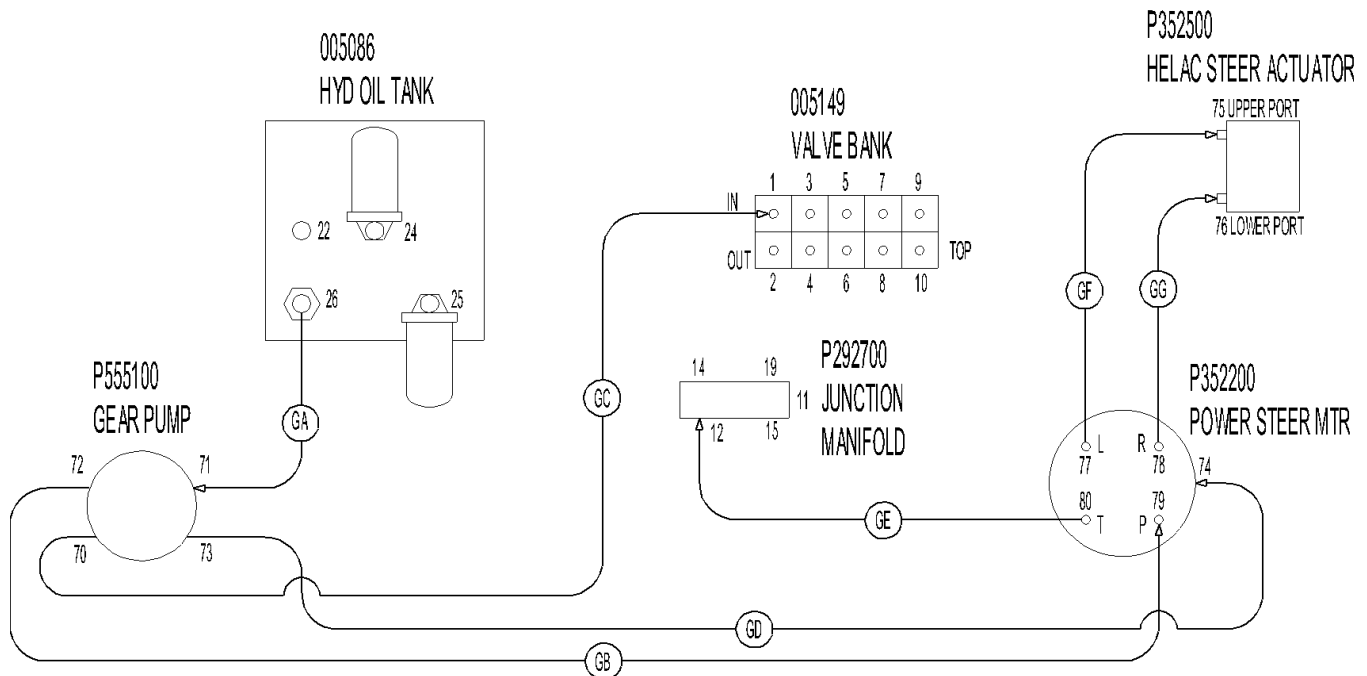
- EA. 8MJ-8MB, Hose P284024, 8MJ-12MB45
- EB. 8MJ-12MB90, Hose P284902, 8MJ-10MB45
- EC. 8MJ-10MB45, Hose P284196, 8MJ-8MJ-8FJX, 8MJ-12MB
- ED. 8MJ-12MB90, Hose P284025
- EE. 8MJ-12MB90, Hose P284065, 8MJ-10MB90
- EF. 8MJ-10MB90, Hose P284081, 8MJ-8MB
- EG. 8MJ-12MB90, Hose P284095, 8MJ-10MB90

# HYDROSTATIC DRIVE CIRCUIT



- FA. Hose P284908, 8MJ-10MB
- FB. Hose P284908, 8MJ-10MB
- FC. Hose P284946, 8MJ-10MB
- FD. Hose P284946, 8MJ-10MB
- FE. Hose P284496, 8MJ-10MB
- FF. Hose P284496, 8MJ-10MB
- FG. 8MJ-12MB, Hose P284031, 8MJ-8MP90
- FH. 20MB-20FP, FILTER, 16MJ-20MB90, Hose P288026, 16MJ-16MB
- FI. 4MJ-6MB90, Hose P282400, 4MJ-6MB

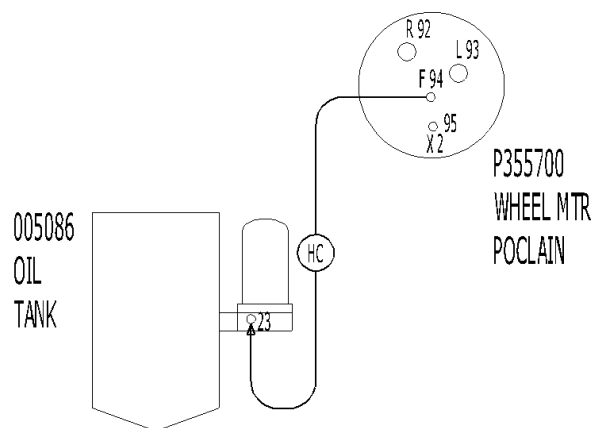
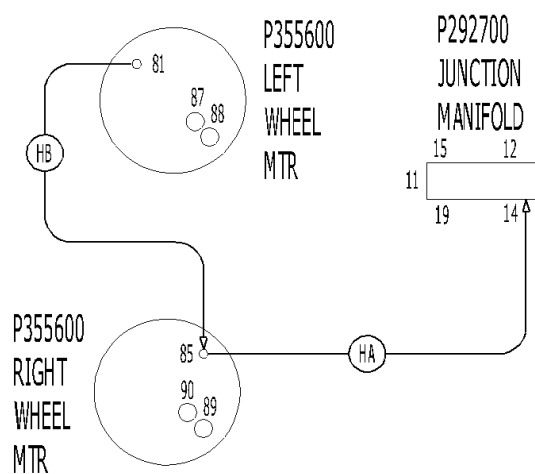
# POWER STEERING CIRCUIT



- GA. 20MJ-20MP90, Hose P289030, 20MJ-16MB
- GB. 6MJ-8MB90, Hose P283923, 6MJ-8MB
- GC. 12MJ-10MB45, Hose P286075, 12MJ-10MB
- GD. 4MJ-4MB, Hose P282118, 4MJ-4MB90
- GE. 6MJ-8MB, Hose P283110, 6MJ-6MB90
- GF. 6MJ-8MB, Hose P283084, 6MJ-4MB90
- GG. 6MJ-8MB, Hose P283084, 6MJ-4MB90



# WHEEL MOTOR CASE DRAIN CIRCUIT



- HA. 4MJ-6MB, 4MJ-4FJX-4MJ, Hose P282994, 4MJ-6MB90
- HB. 4MJ-6MB, Hose P282069
- HC. 4MJ-6MB, Hose P282445, 4MJ-2MP90