



# **5114**

## **HI-CAPACITY RAKE**

### **PARTS BOOK**

Part #75694    HSMFG011822    Rev. #10    Starting Ser. #221HCH4081

**STRONG HERITAGE - STRONG PEOPLE - STRONGER FUTURE**

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# **INSTRUCTIONS FOR ORDERING PARTS**

All service parts should be ordered through your authorized H&S dealer. He will be able to give you faster service if you will provide them with the following:

1. Model & Serial Number - Both can be located on the left, rear main frame of your unit
2. All references to left or right apply to the machine as viewed from the rear.
3. Parts should not be ordered from illustration only. Please order complete part number.
4. If your dealer has to order parts - give shipping instructions:

VIA truck - large pieces (please specify local truck lines)

VIA United Parcel Service (include full address)

|                   |                      |
|-------------------|----------------------|
| H&S MFG. CO. INC. |                      |
| MARSHFIELD, WIS.  |                      |
| MOD. NO.          | <input type="text"/> |
| SER. NO.          | <input type="text"/> |
| DESCR.            | <input type="text"/> |

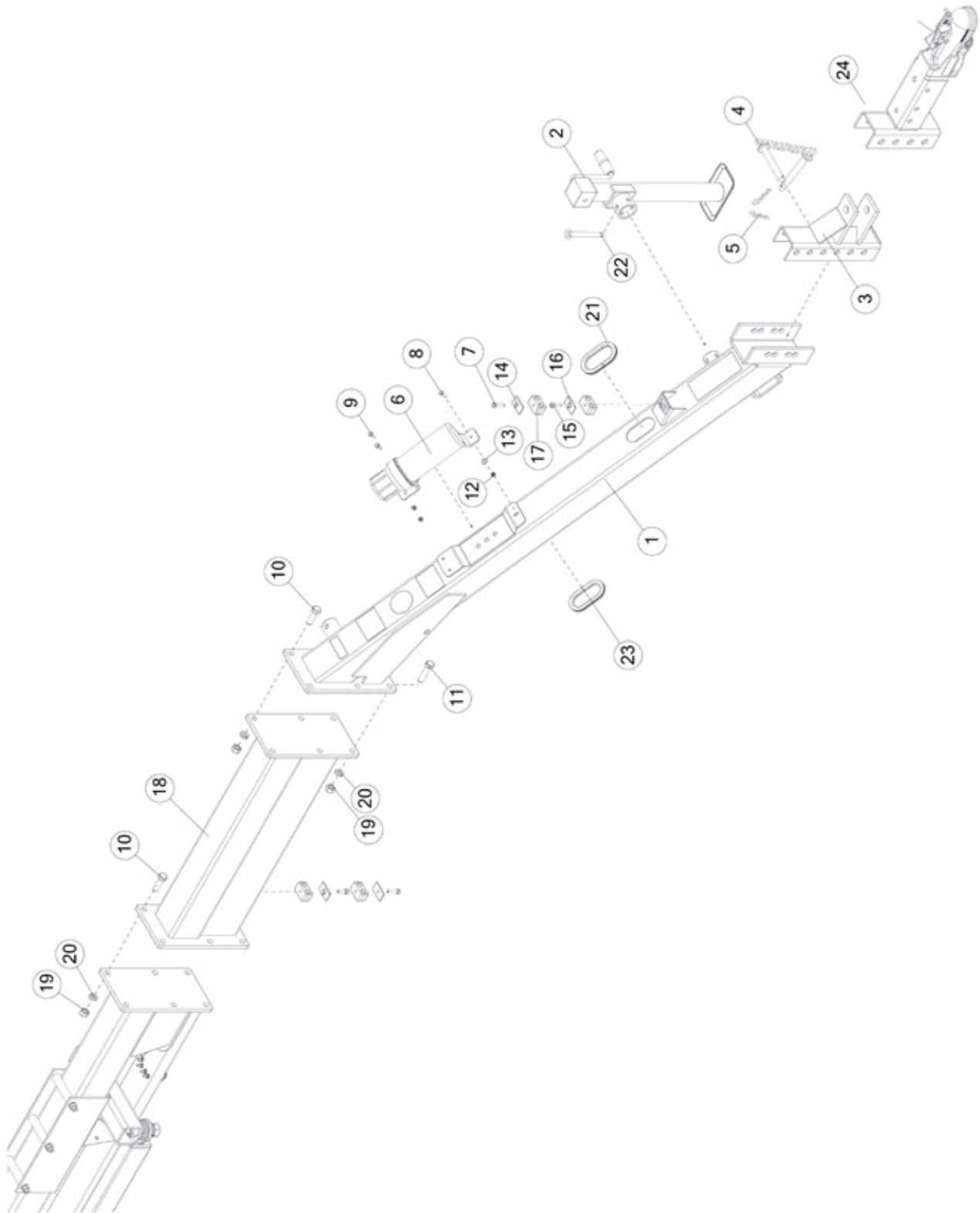
PLEASE RECORD NUMBERS FOR YOUR UNIT FOR QUICK REFERENCE

## **ABOUT IMPROVEMENTS**

H&S IS CONTINUALLY STRIVING TO IMPROVE ITS PRODUCTS

We must, therefore, reserve the right to make improvements or changes whenever it becomes practical to do so, without incurring any obligation to make changes or additions to the equipment previously sold.

**FIGURE 1**  
**FRONT POLE ASSEMBLY**



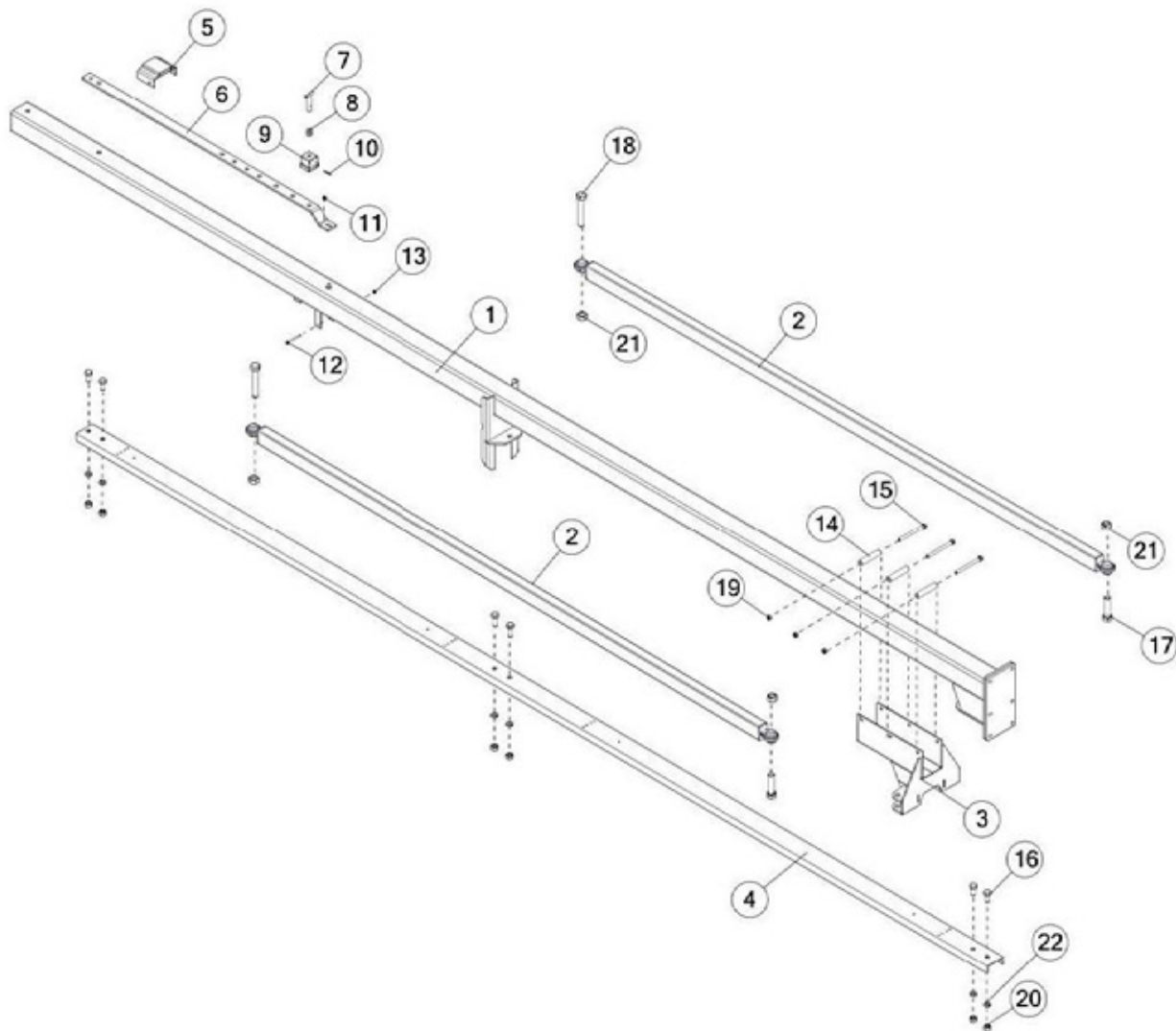
# **FIGURE 1**

## **FRONT POLE ASSEMBLY**

| <b><u>ITEM</u></b> | <b><u>QTY</u></b> | <b><u>PART#</u></b> | <b><u>DESCRIPTION</u></b>   |
|--------------------|-------------------|---------------------|-----------------------------|
| 1                  | 1                 | 67425               | POLE FRONT                  |
| 2                  | 1                 | BFR753A             | SIDEWIND JACK               |
| 3                  | 1                 | BFR157              | HITCH                       |
| 4                  | 1                 | 87599               | HITCH PIN                   |
| 5                  | 2                 | YPHR02010           | HAIR PIN                    |
| 6                  | 1                 | S522                | MANUAL HOLDER               |
| 7                  | 2                 | 56568               | CLAMP BOLT                  |
| 8                  | 1                 | YBHH08010           | BOLT HEX, 1/4 X 1 G5        |
| 9                  | 2                 | YBHH08100           | BOLT HEX, 1/4 X 3/4 G5      |
| 10                 | 10                | YBHH20025           | BOLT HEX, 5/8 X 2 G5        |
| 11                 | 2                 | YBHH20035           | BOLT HEX, 5/8 X 2-1/2 G5    |
| 12                 | 3                 | YNNY08005           | NUT HEX, NYLON LOCKNUT, 1/4 |
| 13                 | 1                 | YWFL08005           | WASHER FLAT, 1/4            |
| 14                 | 2                 | 56563               | CLAMP TOP PLATE             |
| 15                 | 2                 | 56573               | CLAMP STACKING BOLT         |
| 16                 | 2                 | 56581               | CLAMP TOP PLATE             |
| 17                 | 4                 | 67354               | HOSE CLAMP, DOUBLE, 1/4     |
| 18                 | 1                 | 67429               | POLE EXTENSION              |
| 19                 | 12                | YNHX20010           | NUT HEX, 5/8 G8             |
| 20                 | 12                | YWLO20005           | WASHER LOCK, 5/8            |
| 21                 | 1                 | 67443               | PLASTIC TRIM                |
| 22                 | 1                 | 12N117              | JACK PIN                    |
| 23                 | 1                 | 67442               | PLASTIC TRIM                |
| 24                 | 1                 | 76461               | BALL HITCH, 2-5/16          |
| *                  | 1                 | 78464               | HITCH EXTENSION             |

**\*MEANS NOT SHOWN**

**FIGURE 2**  
**FRAME & COMPONENTS**

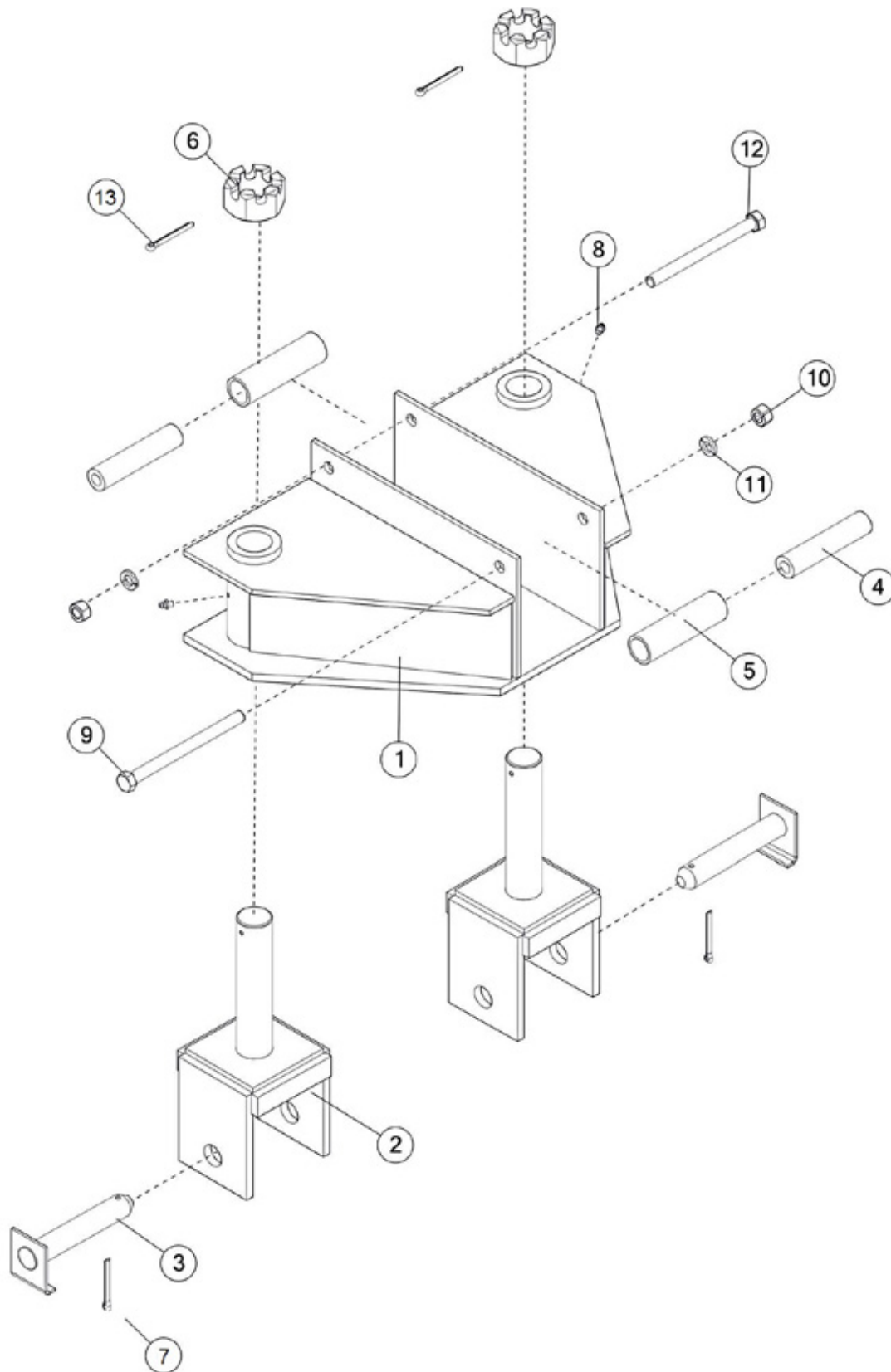


## **FIGURE 2**

### **FRAME & COMPONENTS**

| <b><u>ITEM</u></b> | <b><u>QTY</u></b> | <b><u>PART#</u></b> | <b><u>DESCRIPTION</u></b> |
|--------------------|-------------------|---------------------|---------------------------|
| 1                  | 1                 | 67236               | POLE, CENTER              |
| 2                  | 2                 | BFR458              | LINKAGE FRONT             |
| 3                  | 1                 | 73141               | SLIDER FRONT              |
| 4                  | 1                 | 70181               | CHANNEL                   |
| 5                  | 1                 | 67368               | STOP ADJUSTMENT           |
| 6                  | 1                 | 67416               | WIDTH ADJUSTMENT BAR      |
| 7                  | 1                 | BFR241              | ADJUSTMENT HANDLE         |
| 8                  | 1                 | BFR240              | SPRING                    |
| 9                  | 1                 | BFR239              | SLEEVE LOCK ADJUSTMENT    |
| 10                 | 1                 | YPCT05005           | COTTER PIN, 5/32 X 1      |
| 11                 | 1                 | YBFL10002           | BOLT FLANGE, 3/4 X 4 G8   |
| 12                 | 1                 | YBHH08114           | BOLT HEX, 1/4 X 4 G5      |
| 13                 | 1                 | YNTL08005           | NUT HEX, TOP LOCK, 1/4    |
| 14                 | 3                 | BFR457              | SLIDER SPACER             |
| 15                 | 3                 | YBHH16165           | BOLT HEX, 1/2 X 6 G5      |
| 16                 | 6                 | YBHH24012           | BOLT HEX, 3/4 X 1-1/2 G8  |
| 17                 | 2                 | YBHH32015           | BOLT HEX, 1 X 4 G5        |
| 18                 | 2                 | YBHH32025           | BOLT HEX, 1 X 6 G5        |
| 19                 | 3                 | YNTL16005           | NUT HEX, TOP LOCK, 1/2    |
| 20                 | 6                 | YNHX24004           | NUT HEX, 3/4 G5           |
| 21                 | 4                 | YNTL32005           | NUT HEX, TOP LOCK, 1      |
| 22                 | 6                 | YWLO24005           | WASHER LOCK, 3/4          |

**FIGURE 3**  
**BACK LINKAGE ASSEMBLY**



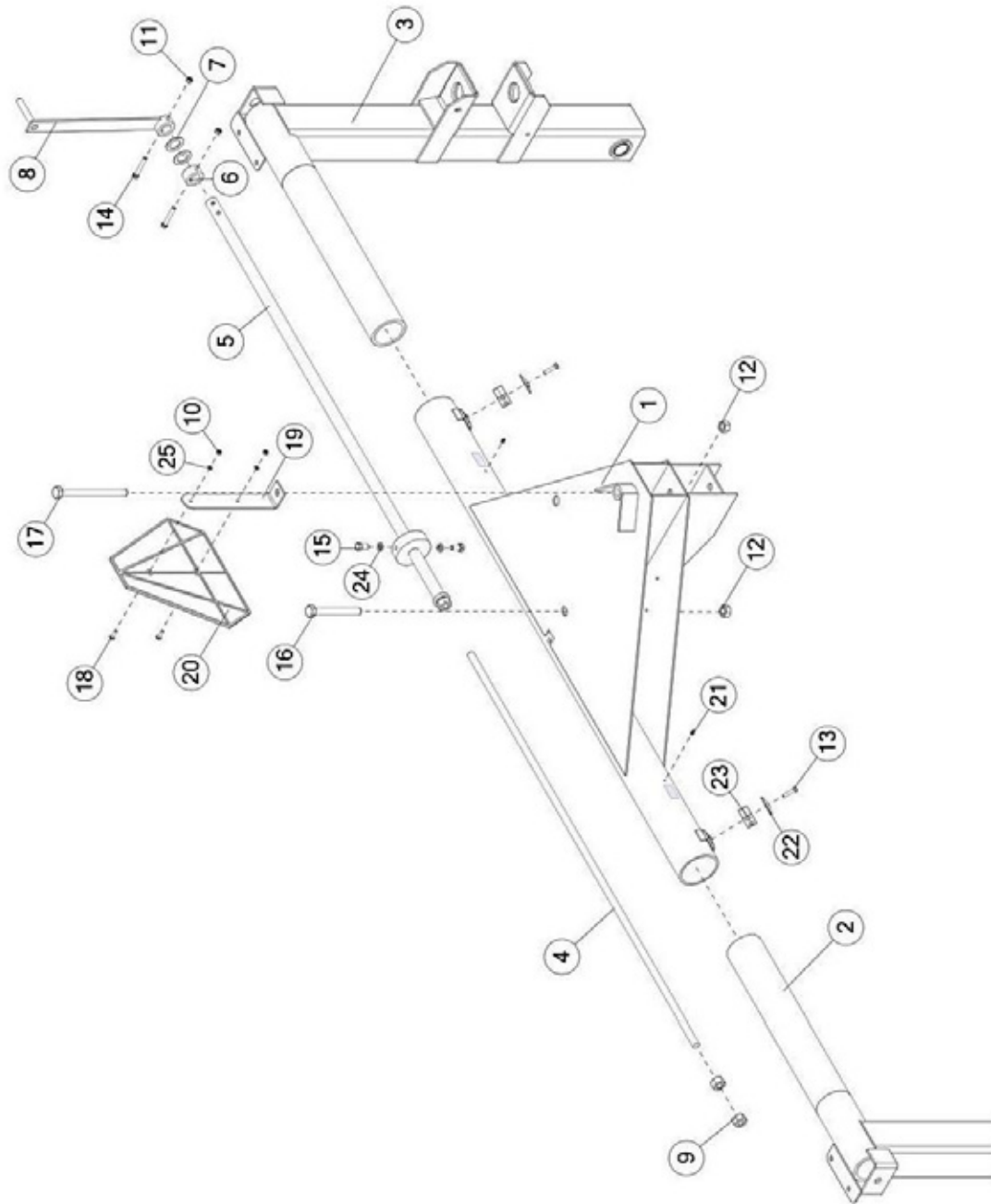


## **FIGURE 3**

### **BACK LINKAGE ASSEMBLY**

| <b><u>ITEM</u></b> | <b><u>QTY</u></b> | <b><u>PART#</u></b> | <b><u>DESCRIPTION</u></b>  |
|--------------------|-------------------|---------------------|----------------------------|
| 1                  | 1                 | BFR491              | LINKAGE SLIDER REAR        |
| 2                  | 2                 | BFR476              | BACK LINKAGE YOKE RH       |
| 3                  | 2                 | BFR479              | PIVOT YOKE SHAFT PIN       |
| 4                  | 2                 | BFR457              | SLIDER SPACER              |
| 5                  | 2                 | BFR471              | SLIDER ROLLER REAR         |
| 6                  | 2                 | YNSL40005           | HEX NUT, SLOTTED, 1-1/2-12 |
| 7                  | 2                 | YPCT07005           | COTTER PIN, 7/32 X 2       |
| 8                  | 2                 | G89                 | STRAIGHT ZERK 1/4-28 X 90  |
| 9                  | 1                 | YBHH16175           | BOLT HEX, 1/2 X 6-1/2 G5   |
| 10                 | 2                 | YNHX16005           | NUT HEX, 1/2               |
| 11                 | 2                 | YWLO16005           | WASHER LOCK, 1/2           |
| 12                 | 1                 | YBHH16165           | BOLT HEX, 1/2 X 6 G5       |
| 13                 | 2                 | YPCT06020           | COTTER PIN, 3/16 X 2       |

**FIGURE 4**  
**REAR PIVOT & COMPONENTS**

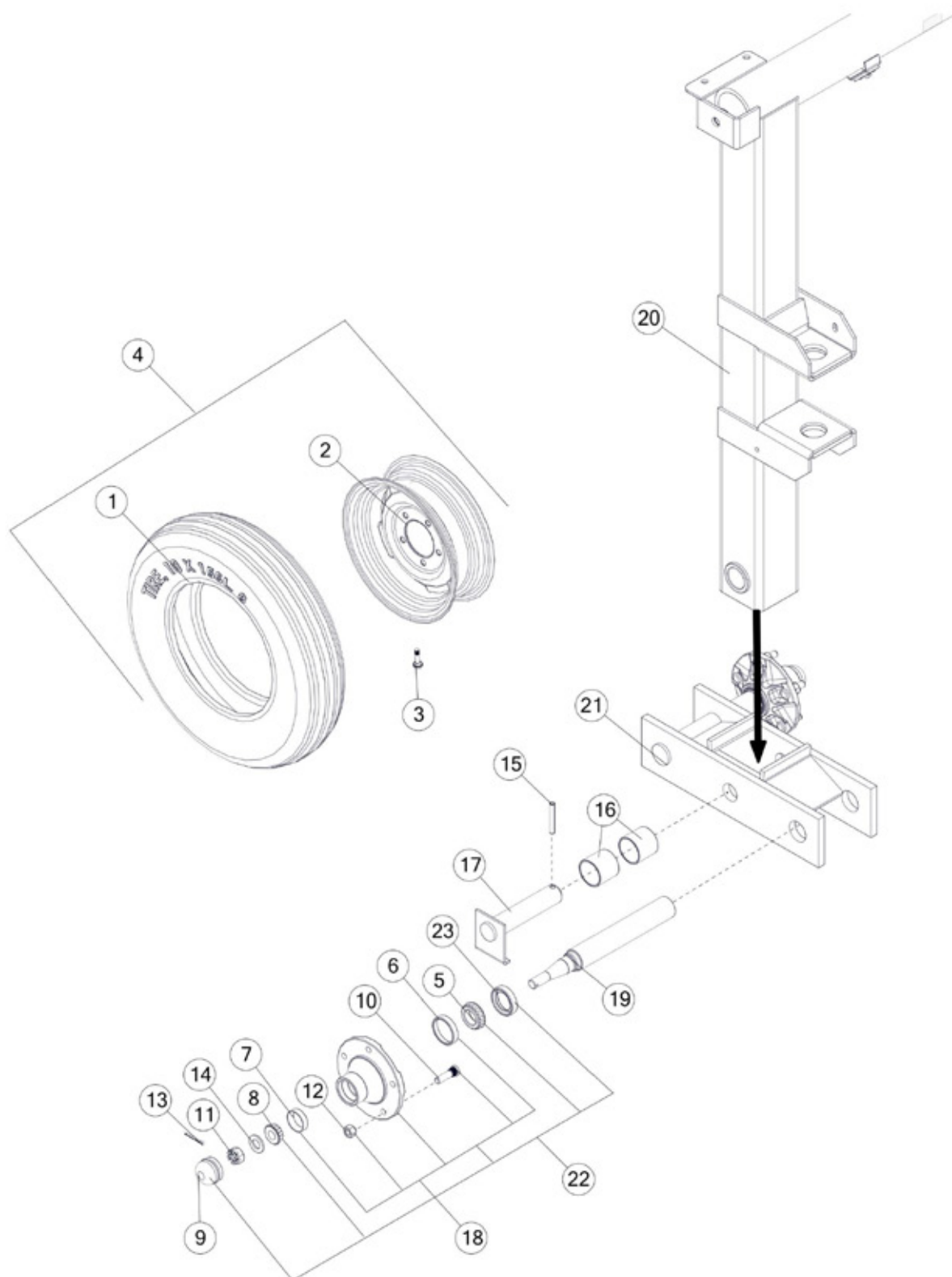


## **FIGURE 4**

### **REAR PIVOT & COMPONENTS**

| <b><u>ITEM</u></b> | <b><u>QTY</u></b> | <b><u>PART#</u></b> | <b><u>DESCRIPTION</u></b>            |
|--------------------|-------------------|---------------------|--------------------------------------|
| 1                  | 1                 | 67320               | PIVOT REAR                           |
| 2                  | 1                 | 66841               | UPRIGHT RH                           |
| 3                  | 1                 | 66837               | UPRIGHT LH                           |
| 4                  | 1                 | 66845               | WIDTH ADJUSTMENT ROD REAR            |
| 5                  | 1                 | 66839               | WIDTH ADJUSTMENT TUBE REAR           |
| 6                  | 1                 | BFR422              | WIDTH ADJUSTMENT COLLAR              |
| 7                  | 2                 | BFR523              | POLY WASHER                          |
| 8                  | 1                 | BFR423              | WIDTH ADJUSTMENT HANDLE              |
| 9                  | 2                 | YNAC24005           | NUT HEX, 3/4-                        |
| 10                 | 2                 | YNHX08005           | NUT HEX, 1/4                         |
| 11                 | 2                 | YNHX12005           | NUT HEX, 3/8-16 G2                   |
| 12                 | 2                 | YNTL24005           | NUT HEX TOP LOCK, 3/4                |
| 13                 | 2                 | 56568               | CLAMP BOLT                           |
| 14                 | 2                 | YBHH12090           | BOLT HEX, 3/8 X 2-1/2 G5             |
| 15                 | 2                 | YBHH16010           | BOLT HEX, 1/2 X 1 G5                 |
| 16                 | 1                 | YBHH24090           | BOLT HEX, 3/4 X 6 G5                 |
| 17                 | 1                 | YBHH24115           | BOLT HEX, 3/4 X 8-1/2 G5             |
| 18                 | 2                 | YSTM08005           | SCREW TRUSS HEAD MACH, 1/4-20 X 1 G5 |
| 19                 | 1                 | BFR649              | SMV BRACKET                          |
| 20                 | 1                 | BFR723              | SMV SIGN                             |
| 21                 | 2                 | G89                 | STRAIGHT ZERK 1/4-28 X 90            |
| 22                 | 2                 | 56563               | CLAMP TOP PLATE                      |
| 23                 | 2                 | 67354               | HOSE CLAMP, DOUBLE, 1/4              |
| 24                 | 2                 | YWLO16005           | WASHER LOCK, 1/2                     |
| 25                 | 2                 | YWLO08005           | WASHER LOCK, 1/4                     |

**FIGURE 5**  
**REAR HUB ASSEMBLY**



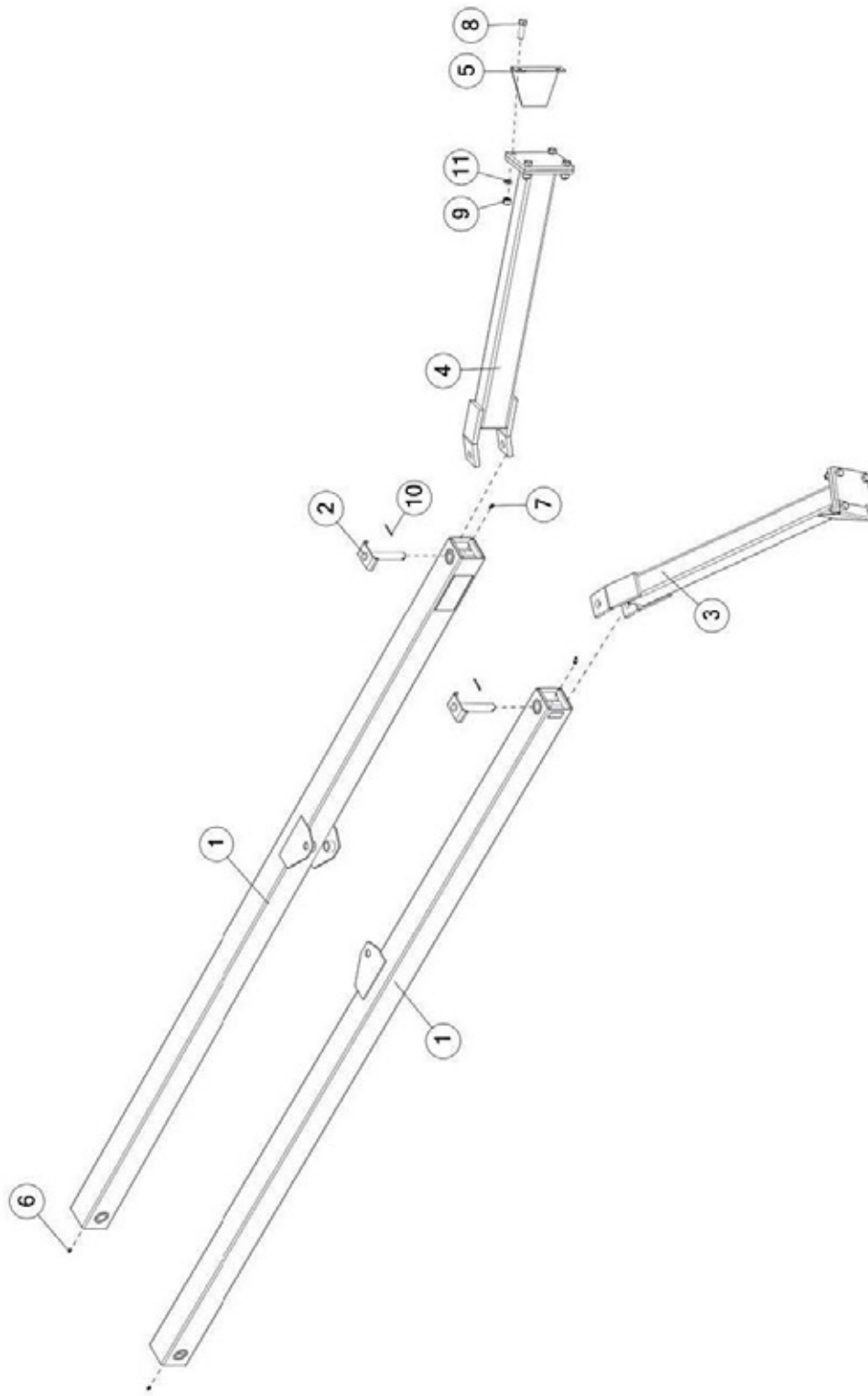
## **FIGURE 5**

### **REAR HUB ASSEMBLY**

| <b><u>ITEM</u></b> | <b><u>QTY</u></b> | <b><u>PART#</u></b> | <b><u>DESCRIPTION</u></b>             |
|--------------------|-------------------|---------------------|---------------------------------------|
| 1                  | 4                 | BFR128              | TIRE 670 X 15                         |
| *                  | 4                 | 75696               | ST205/75R15-C RADIAL TIRE (OPTIONAL)  |
| 2                  | 4                 | BFR67               | WHEEL, 5 X 15                         |
| 3                  | 4                 | 72436               | VALVE STEM, 1-1/2                     |
| 4                  | 4                 | 32006               | 6.70-15 TIRE ON 5 X 15 WHEEL          |
| *                  | 4                 | 75697               | 205/75R15 TIRE ON AG WHEEL (OPTIONAL) |
| 5                  | 4                 | 17G145              | TAPERED ROLLER BEARING                |
| 6                  | 4                 | BFR59               | RACE                                  |
| 7                  | 4                 | BFR61               | CUP                                   |
| 8                  | 4                 | BFR62               | CONE BEARING                          |
| 9                  | 4                 | BFR66               | HUB CAP                               |
| 10                 | 20                | YBSD16005           | BOLT STUD, 1/2-20UNF X 1-7/8 X 3/8 G5 |
| 11                 | 4                 | YNSL24010           | NUT SLOT, 3/4-16 G2                   |
| 12                 | 20                | YNWL16005           | NUT WHEEL, 1/2-20 G5                  |
| 13                 | 4                 | YPCT05010           | COTTER PIN, 5/32 X 1-1/2              |
| 14                 | 4                 | YWFL24010           | WASHER FLAT, SAE 3/4                  |
| 15                 | 4                 | YPEX12025           | PIN, 3/8 X 2-3/4                      |
| 16                 | 4                 | BFR625              | BUSHING BRONZE, 1-3/4 X 1-1/2 X 2-1/2 |
| 17                 | 2                 | BFR524              | TANDEM PIN                            |
| 18                 | 4                 | BFR60               | HUB, WITH RACES AND STUDS             |
| 19                 | 4                 | BFR522              | SPINDLE                               |
| 20                 | 1                 | 66841               | UPRIGHT RH                            |
| *                  | 1                 | 66837               | UPRIGHT LH                            |
| 21                 | 1                 | BFR509              | TANDEM AXLE RH                        |
| *                  | 1                 | BFR510              | TANDEM AXLE LH                        |
| 22                 | 4                 | BFR75               | HUB                                   |
| 23                 | 4                 | BFR57               | SEAL                                  |

**\*MEANS NOT SHOWN**

**FIGURE 6**  
**LINKAGE ASSEMBLY**

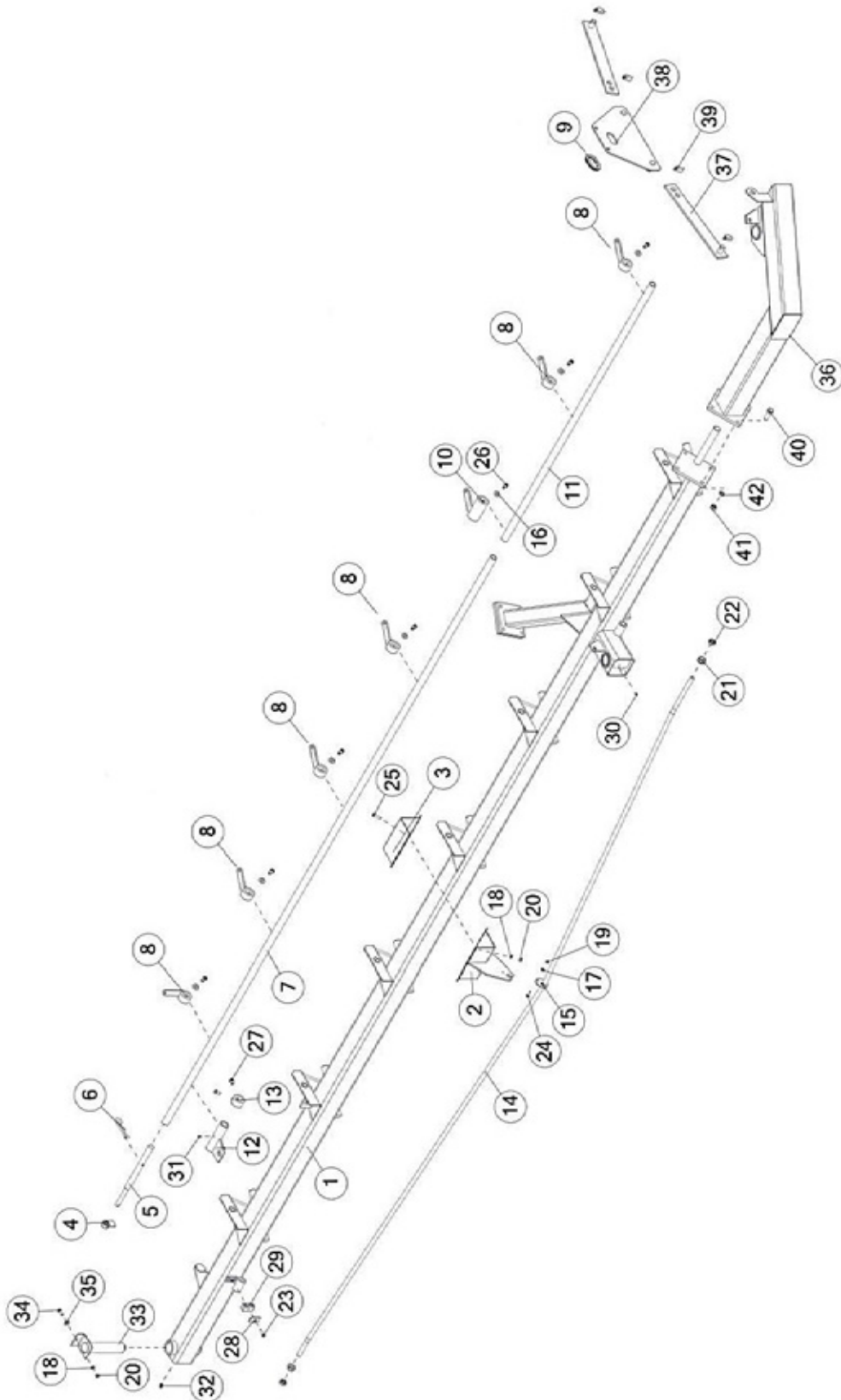


## **FIGURE 6**

### **LINKAGE ASSEMBLY**

| <b><u>ITEM</u></b> | <b><u>QTY</u></b> | <b><u>PART#</u></b> | <b><u>DESCRIPTION</u></b> |
|--------------------|-------------------|---------------------|---------------------------|
| 1                  | 2                 | BFR462              | LINKAGE RH REAR           |
| 2                  | 2                 | BFR461              | ARM PIN                   |
| 3                  | 1                 | BFR744              | ARM RH                    |
| 4                  | 1                 | BFR745              | ARM LH                    |
| 5                  | 2                 | BFR549              | TOOTH DEFLECTOR           |
| 6                  | 2                 | G89                 | STRAIGHT ZERK 1/4-28 X 90 |
| 7                  | 2                 | RG21                | GREASE ZERK, 45 DEGREE    |
| 8                  | 8                 | YBHH20025           | BOLT HEX, 5/8 X 2 G5      |
| 9                  | 8                 | YNHX20010           | NUT HEX, 5/8 G8           |
| 10                 | 2                 | YPCT05010           | COTTER PIN 5/32 X 1-1/2   |
| 11                 | 8                 | YWLO20005           | WASHER LOCK, 5/8          |

**FIGURE 7**  
**RH RAKE BEAM ASSEMBLY**





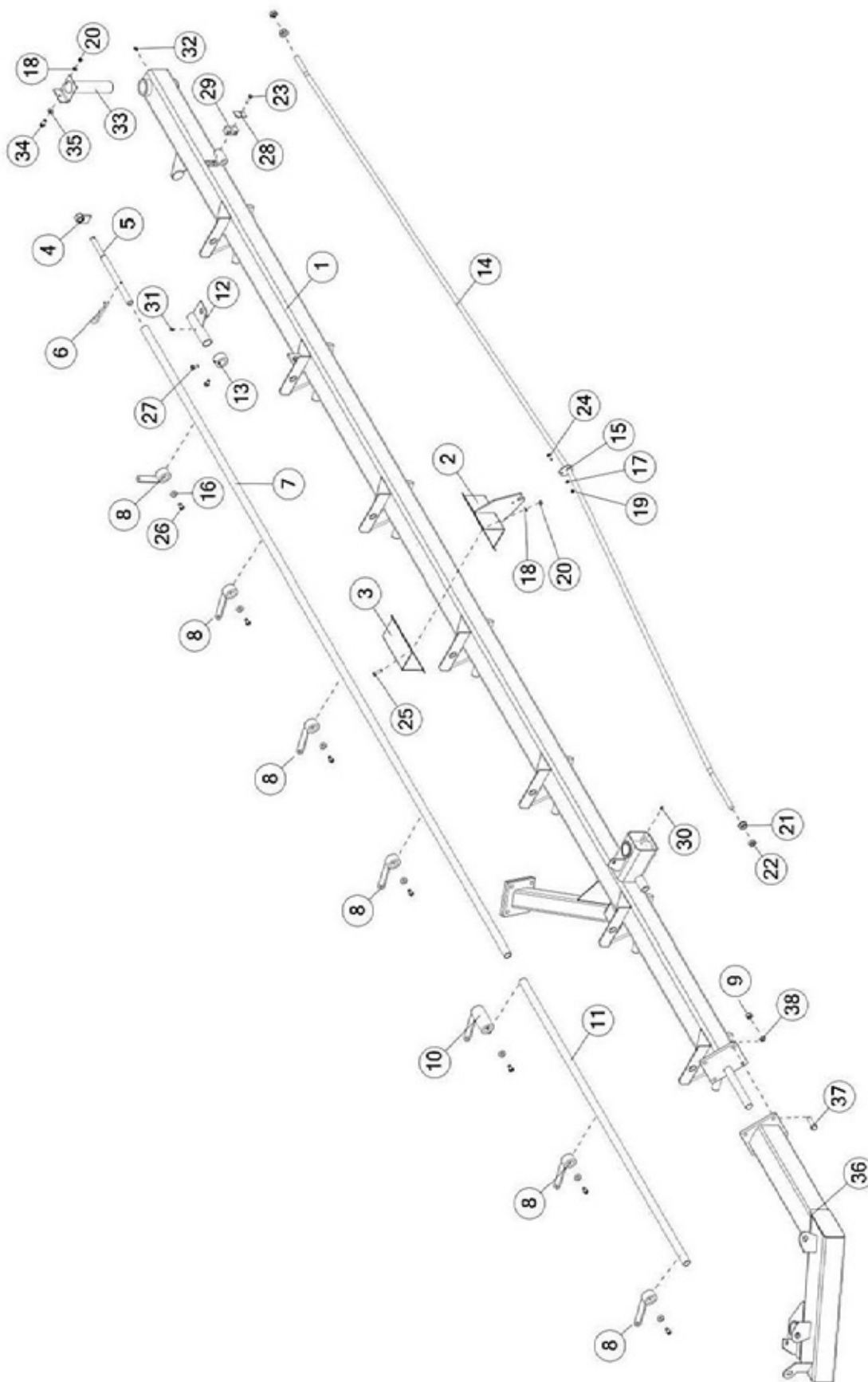
## **FIGURE 7**

### **RH RAKE BEAM ASSEMBLY**

| <b><u>ITEM</u></b> | <b><u>QTY</u></b> | <b><u>PART#</u></b> | <b><u>DESCRIPTION</u></b>       |
|--------------------|-------------------|---------------------|---------------------------------|
| 1                  | 1                 | 67336               | BEAM W/DECAL RH                 |
| 2                  | 1                 | 14DWE85             | ROD STANDOFF                    |
| 3                  | 1                 | 14D3G18             | ROD STAND-OFF BRACKET           |
| 4                  | 1                 | BFR426              | RAKE PRESSURE HANDLE            |
| 5                  | 5                 | BFR486              | RAKE ARM LOCK-UP SHAFT          |
| 6                  | 1                 | YPHR08040           | HAIR PIN, 1/4 X 5               |
| 7                  | 1                 | BFR521              | LIFTING PIPE BACK               |
| 8                  | 6                 | BFR622              | SPRING BRACKET                  |
| 9                  | 1                 | 67448               | PLASTIC TRIM                    |
| 10                 | 1                 | BFR749              | LONG LIFT PIPE CONNECTOR RH     |
| 11                 | 1                 | BFR520              | LIFT PIPE FRONT                 |
| 12                 | 1                 | BFR531              | HYDRAULIC CYLINDER END SLIDE RH |
| 13                 | 1                 | BFR83               | PIPE CLAMP                      |
| 14                 | 1                 | BFR612              | SIDE ARM STABILIZER ROD         |
| 15                 | 1                 | DF22                | RING FOR STRAP                  |
| 16                 | 7                 | YWFL14005           | WASHER FLAT, 7/16               |
| 17                 | 2                 | YWLO08005           | WASHER LOCK, 1/4                |
| 18                 | 8                 | YWLO12005           | WASHER LOCK, 3/8                |
| 19                 | 1                 | YNHX08005           | NUT HEX, 1/4                    |
| 20                 | 8                 | YNHX12005           | NUT HEX, 3/8 G2                 |
| 21                 | 2                 | BFR618              | NUT FLANGE, NF, 3/4             |
| 22                 | 2                 | YNJM24012           | NUT JAM, 3/4 A                  |
| 23                 | 1                 | 56568               | CLAMP BOLT                      |
| 24                 | 1                 | YBHH08010           | BOLT HEX, 1/4 X 1 G5            |
| 25                 | 6                 | YBHH12040           | BOLT HEX, 3/8 X 1-1/4 G5        |
| 26                 | 7                 | YBHH14005           | BOLT HEX, 7/16 X 1 G5           |
| 27                 | 2                 | YBHH14035           | BOLT HEX, 7/16 X 3/4 G5         |
| 28                 | 1                 | 56563               | CLAMP TOP PLATE                 |
| 29                 | 1                 | 67354               | HOSE CLAMP, DOUBLE, 1/4         |
| 30                 | 1                 | G89                 | STRAIGHT ZERK 1/4-28 X 90       |
| 31                 | 1                 | MS26                | STRAIGHT ZERK SHORT SHANK       |
| 32                 | 1                 | RG21                | GREASE ZERK, 45 DEGREE          |
| 33                 | 1                 | BFR756              | BEAM PIVOT SHAFT                |
| 34                 | 2                 | YBHH12010           | BOLT HEX, 3/8 X 1 G5            |
| 35                 | 1                 | YWFL12005           | WASHER FLAT, 3/8                |
| 36                 | 1                 | BFR726              | RAKE BEAM EXTENSION RH          |
| 37                 | 2                 | BFR597              | SAFETY BAR                      |
| 38                 | 1                 | 67432               | TRANSPORT MOUNT                 |
| 39                 | 4                 | YPLY08011           | LYNCH PIN, 1/4 X 1-9/16         |
| 40                 | 4                 | YBHH20025           | BOLT HEX, 5/8-11 X 2 G5         |
| 41                 | 4                 | YNHX20010           | NUT HEX, 5/8-18 G8              |
| 42                 | 4                 | YWLO20005           | WASHER LOCK, 5/8                |
| *                  | 1                 | 63796               | RAKE ARM STOP                   |

**\*MEANS NOT SHOWN**

**FIGURE 8**  
**LH RAKE BEAM ASSEMBLY**



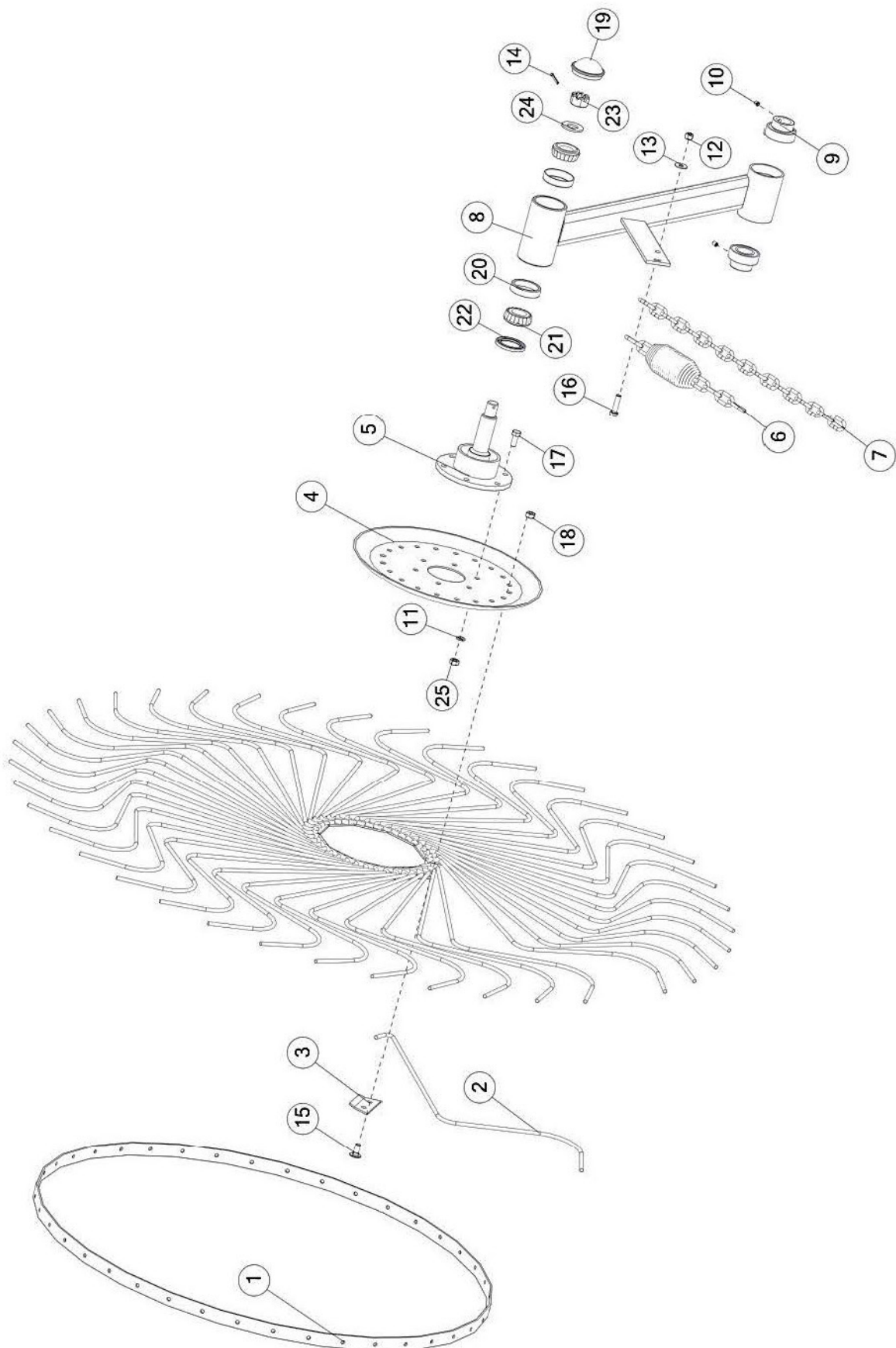
## **FIGURE 8**

### **LH RAKE BEAM ASSEMBLY**

| <b><u>ITEM</u></b> | <b><u>QTY</u></b> | <b><u>PART#</u></b> | <b><u>DESCRIPTION</u></b>       |
|--------------------|-------------------|---------------------|---------------------------------|
| 1                  | 1                 | 67323               | BEAM W/DECAL LH                 |
| 2                  | 2                 | 14DWE85             | ROD STANDOFF                    |
| 3                  | 1                 | 14D3G18             | ROD STAND-OFF BRACKET           |
| 4                  | 3                 | BFR426              | RAKE PRESSURE HANDLE            |
| 5                  | 1                 | BFR486              | RAKE ARM LOCK-UP SHAFT          |
| 6                  | 4                 | YPHR08040           | HAIR PIN, 1/4 X 5               |
| 7                  | 1                 | BFR521              | LIFTING PIPE BACK               |
| 8                  | 6                 | BFR622              | SPRING BRACKET                  |
| 9                  | 4                 | YNHX20010           | NUT HEX, 5/8-18 G8              |
| 10                 | 1                 | BFR750              | LONG LIFT PIPE CONNECTOR LH     |
| 11                 | 1                 | BFR520              | FRONT LIFT PIPE                 |
| 12                 | 1                 | BFR530              | HYDRAULIC CYLINDER END SLIDE LH |
| 13                 | 1                 | BFR83               | PIPE CLAMP                      |
| 14                 | 1                 | BFR612              | SIDE ARM STABILIZER ROD         |
| 15                 | 1                 | DF22                | RING FOR STRAP                  |
| 16                 | 7                 | YWFL14005           | WASHER FLAT, 7/16               |
| 17                 | 3                 | YWLO08005           | WASHER LOCK, 1/4                |
| 18                 | 8                 | YWLO12005           | WASHER LOCK, 3/8                |
| 19                 | 1                 | YNHX08005           | NUT HEX, 1/4                    |
| 20                 | 8                 | YNHX12005           | NUT HEX, 3/8-16 GR 2            |
| 21                 | 2                 | BFR618              | NUT FLANGE, 3/4                 |
| 22                 | 2                 | YNJM24012           | NUT JAM, 3/4 A                  |
| 23                 | 1                 | 56568               | CLAMP BOLT                      |
| 24                 | 1                 | YBHH08010           | BOLT HEX, 1/4 X 1 G5            |
| 25                 | 6                 | YBHH12035           | BOLT HEX, 3/8-16 X 1-1/4 G5     |
| 26                 | 7                 | YBHH14005           | BOLT HEX, 7/16 X 1 G5           |
| 27                 | 2                 | YBHH14035           | BOLT HEX, 7/16 X 3/4 G5         |
| 28                 | 1                 | 56563               | CLAMP TOP PLATE                 |
| 29                 | 1                 | 67354               | HOSE CLAMP, DOUBLE, 1/4         |
| 30                 | 1                 | G89                 | STRAIGHT ZERK, 1/4-28 X 90      |
| 31                 | 1                 | MS26                | STRAIGHT ZERK SHORT SHANK       |
| 32                 | 1                 | RG21                | GREASE ZERK, 45 DEGREE          |
| 33                 | 1                 | BFR756              | BEAM PIVOT SHAFT                |
| 34                 | 2                 | YBHH12010           | BOLT HEX, 3/8 X 1 G5            |
| 35                 | 1                 | YWFL12005           | WASHER FLAT, 3/8                |
| 36                 | 1                 | BFR727              | RAKE BEAM EXTENSION LH          |
| 37                 | 4                 | YBHH20025           | BOLT HEX, 5/8 X 2 G5            |
| 38                 | 4                 | YWLO20005           | WASHER LOCK, 5/8                |
| *                  | 1                 | 63796               | RAKE ARM STOP                   |

**\*MEANS NOT SHOWN**

**FIGURE 9**  
**RAKE WHEEL ASSEMBLY**



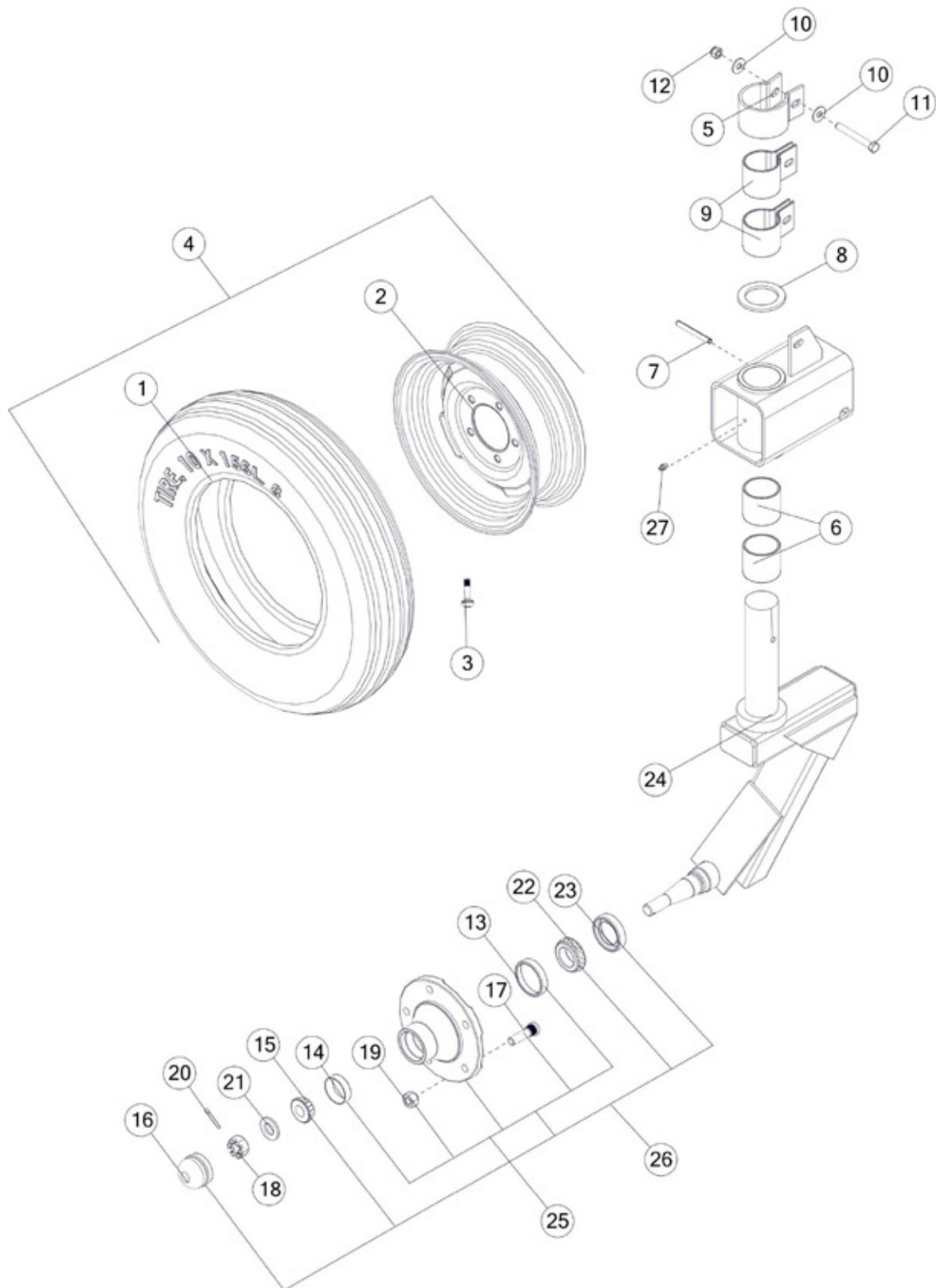
## **FIGURE 9**

### **RAKE WHEEL ASSEMBLY**

| <b><u>ITEM</u></b> | <b><u>QTY</u></b> | <b><u>PART#</u></b> | <b><u>DESCRIPTION</u></b>          |
|--------------------|-------------------|---------------------|------------------------------------|
| 1                  | 1                 | FR72                | RAKE WHEEL OUTER RING              |
| 2                  | 40                | FR73                | RAKE WHEEL TOOTH                   |
| 3                  | 10                | FR74                | RAKE TOOTH CLIP                    |
| 4                  | 1                 | FR71                | RAKE WHEEL CENTER                  |
| 5                  | 1                 | FR24                | RAKE WHEEL HUB                     |
| 6                  | 1                 | 8771                | RAKE WHEEL SPRING                  |
| 7                  | 1                 | BFR111              | KICKER WHEEL ADJ. CHAIN (18 LINKS) |
| 8                  | 1                 | 14DWE93             | RAKE ARM LH                        |
| *                  | 1                 | 14DWE94             | RAKEARM RH                         |
| 9                  | 2                 | BFR525              | BEARING W/ LOCK COLLAR 1-1/4       |
| 10                 | 2                 | YSKP10020           | SET SCREW, SOCKET                  |
| 11                 | 6                 | YWLO12005           | WASHER LOCK, 3/8                   |
| 12                 | 1                 | YN TL12005          | NUT HEX, TOP LOCK, 3/8-16          |
| 13                 | 1                 | YWFL12005           | WASHER FLAT, 3/8                   |
| 14                 | 1                 | YPCT05010           | COTTER PIN, 5/32 X 1-1/2           |
| 15                 | 20                | YBCR76005           | BOLT CARRIAGE, 10MM X 25MM         |
| 16                 | 1                 | YBHH12025           | BOLT HEX, 3/8 X 1-1/2 G5           |
| 17                 | 6                 | YBHH12035           | BOLT HEX, 3/8 X 1-1/4 G5           |
| 18                 | 20                | YNHX76015           | NUT HEX, M10-1.5                   |
| 19                 | 1                 | 57875               | HUB CAP                            |
| 20                 | 2                 | 3G18                | BEARING RACE                       |
| 21                 | 2                 | HD122               | TAPERED BEARING                    |
| 22                 | 1                 | HD124               | SEAL                               |
| 23                 | 1                 | YNSL28005           | NUT HEX, SLOTTED, 7/8-14           |
| 24                 | 1                 | YWFL28010           | WASHER FLAT, SAE 7/8               |
| 25                 | 6                 | YNHX12005           | NUT HEX, 3/8 - 16 G5               |

**\*MEANS NOT SHOWN**

**FIGURE 10**  
**HUB & BRAKE ASSEMBLY**



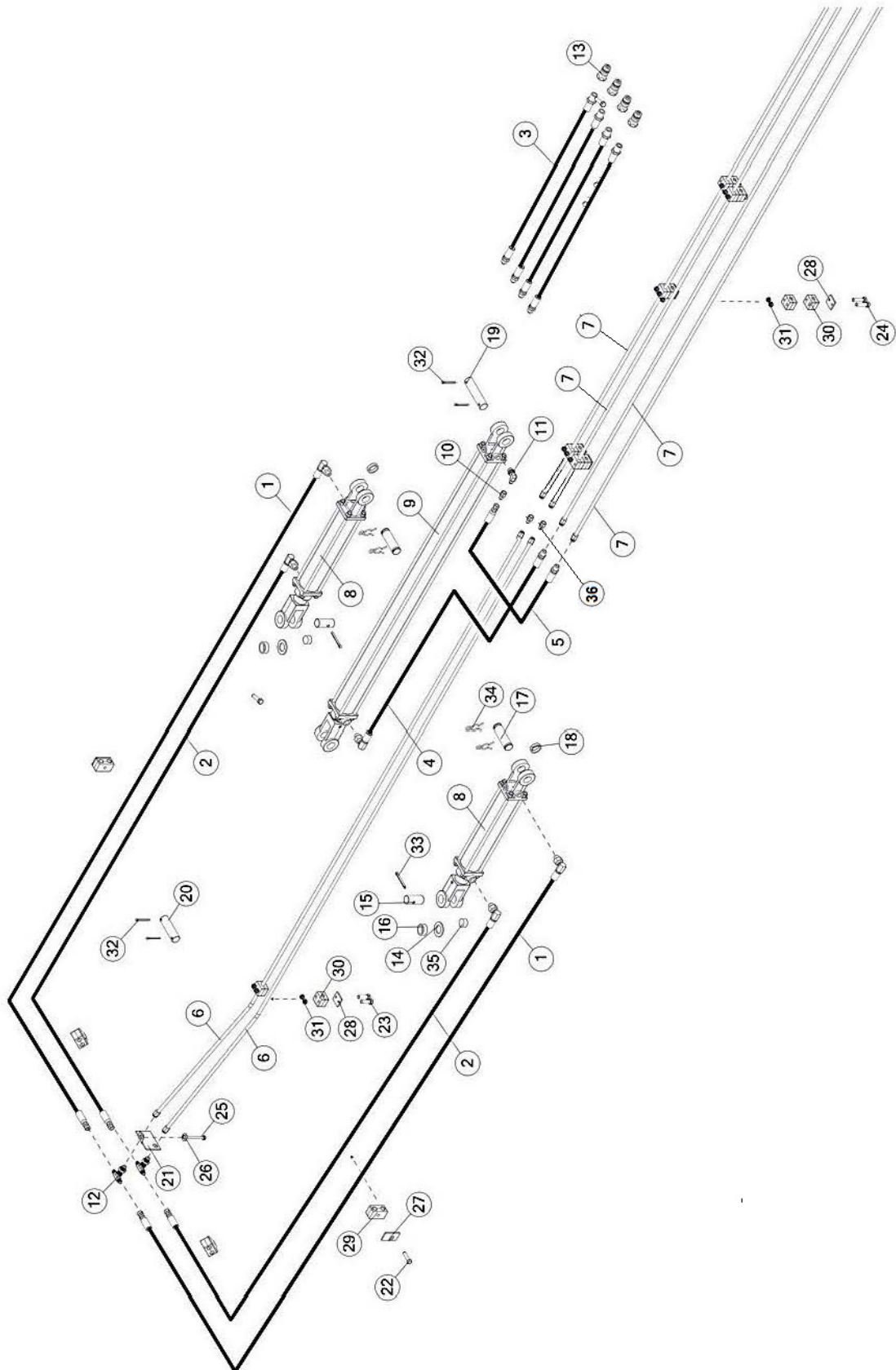
## **FIGURE 10**

### **HUB & BRAKE ASSEMBLY**

| <b><u>ITEM</u></b> | <b><u>QTY</u></b> | <b><u>PART#</u></b> | <b><u>DESCRIPTION</u></b>       |
|--------------------|-------------------|---------------------|---------------------------------|
| 1                  | 2                 | BFR128              | TIRE 670 X 15                   |
| 2                  | 2                 | BFR67               | WHEEL, 5 X 15                   |
| 3                  | 2                 | 72436               | VALVE STEM, 1-1/2               |
| 4                  | 2                 | 32006               | 6.70-15 TIRE ON 5 X 15 WHEEL    |
| 5                  | 2                 | BFR311              | BRAKE COLLAR                    |
| 6                  | 4                 | RG26                | STEEL BUSHING                   |
| 7                  | 2                 | YPEX10025           | EXPANSION PIN, 5/16 X 2-3/4     |
| 8                  | 1                 | BFR309              | GAUGE WHEEL WASHER              |
| 9                  | 4                 | BFR310              | BRAKE PAD                       |
| 10                 | 4                 | YWFL12005           | WASHER FLAT, 3/8                |
| 11                 | 2                 | YBHH12125           | BOLT HEX, FT, 3/8 X 3 G5        |
| 12                 | 2                 | YNNY12005           | NUT HEX, 3/8 G2                 |
| 13                 | 2                 | BFR57               | SEAL                            |
| 14                 | 2                 | BFR61               | CUP                             |
| 15                 | 2                 | BFR62               | BEARING                         |
| 16                 | 2                 | BFR66               | HUB CAP                         |
| 17                 | 10                | YBSD16005           | BOLT STUD, 1/2 X 1-7/8 X 3/8 G5 |
| 18                 | 2                 | YNSL24010           | NUT SLOT, 3/4 G2                |
| 19                 | 10                | YNWL16005           | NUT WHEEL, 1/2 G5               |
| 20                 | 2                 | YPCT05010           | COTTER PIN, 5/32 X 1-1/2        |
| 21                 | 2                 | YWFL24010           | WASHER FLAT, 3/4                |
| 22                 | 2                 | 17G145              | TAPERED BEARING                 |
| 23                 | 2                 | BFR57               | SEAL                            |
| 24                 | 1                 | BFR312              | GAUGE WHEEL FORK RH             |
| *                  | 1                 | BFR316              | GAUGE WHEEL FORK LH             |
| 25                 | 2                 | BFR60               | HUB W/RACES AND STUDS           |
| 26                 | 2                 | BFR75               | COMPLETE HUB W/KOYO BEARINGS    |
| 27                 | 2                 | G89                 | STRAIGHT ZERK 1/4-28 X 90       |

**\*MEANS NOT SHOWN**

**FIGURE 11**  
**HYDRAULICS**



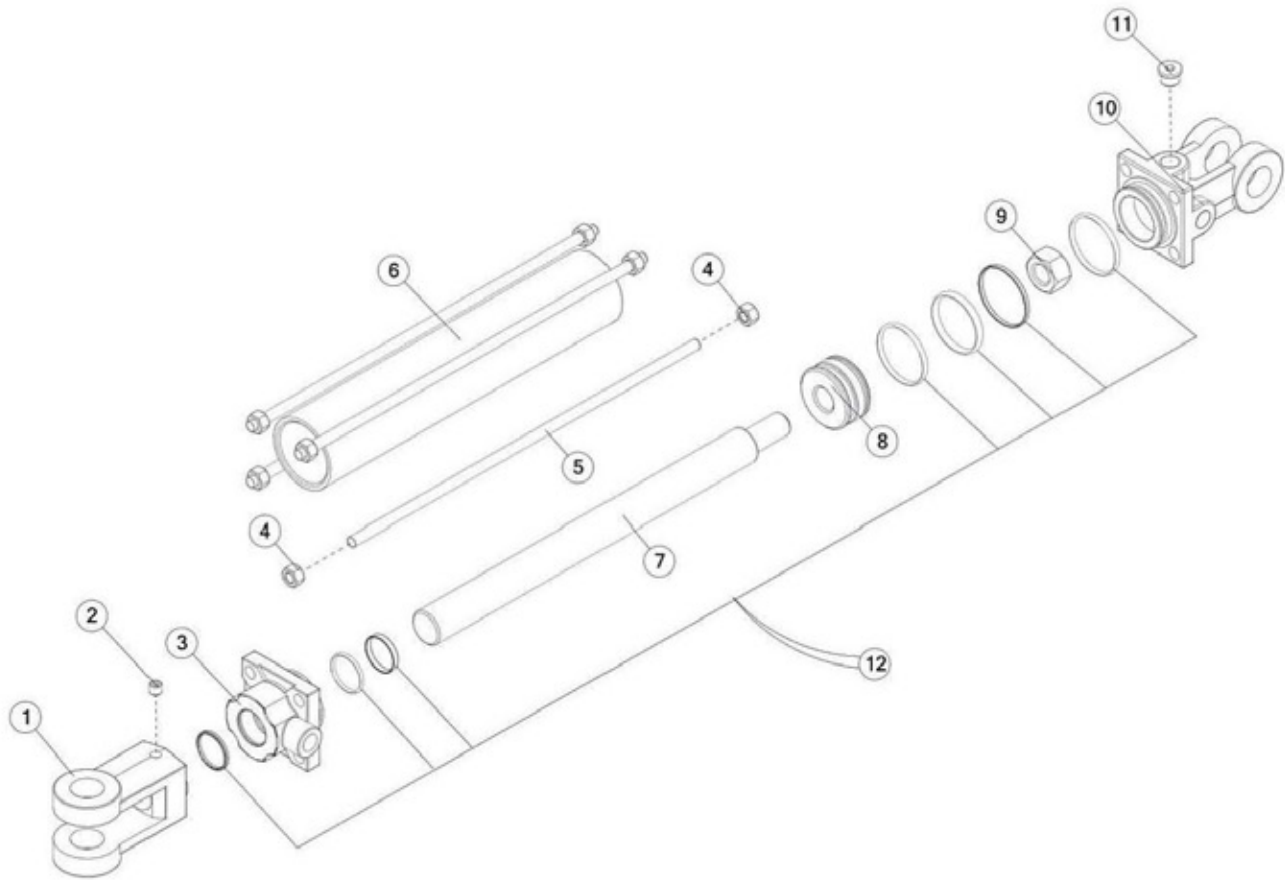


## **FIGURE 11**

### **HYDRAULICS**

| <b><u>ITEM</u></b> | <b><u>QTY</u></b> | <b><u>PART#</u></b> | <b><u>DESCRIPTION</u></b>       |
|--------------------|-------------------|---------------------|---------------------------------|
| 1                  | 2                 | 67077               | HYD HOSE, 4 X 108               |
| 2                  | 2                 | 67420               | HYD HOSE 4 X 120                |
| 3                  | 4                 | 71764               | HYD HOSE 4 X 168                |
| 4                  | 1                 | 70706               | HYD HOSE 4 X 33                 |
| 5                  | 1                 | 70710               | HYD HOSE 4 X 30                 |
| 6                  | 2                 | 88943               | HYD TUBE                        |
| 7                  | 4                 | 70613               | HYD TUBE                        |
| 8                  | 2                 | 66933               | HYD CYLINDER 2 X 10             |
| 9                  | 1                 | 66935               | HYD CYLINDER 2 X 40             |
| 10                 | 1                 | 58108               | CONNECTOR W/ORIFICE             |
| 11                 | 1                 | 71281               | MALE 37° / ORB                  |
| 12                 | 2                 | 71585               | BULKHEAD TEE FITTING, 04X04X06  |
| 13                 | 4                 | 67148               | QUICK COUPLER                   |
| 14                 | 2                 | 16SV136             | SHIM                            |
| 15                 | 2                 | BFR517              | CYL PIN                         |
| 16                 | 2                 | K106                | SPACER                          |
| 17                 | 2                 | T143                | HYD CYLINDER PIN                |
| 18                 | 2                 | X94                 | 1ST BEATER SPACER               |
| 19                 | 1                 | BFR396              | CYL PIN                         |
| 20                 | 1                 | BFR634              | CYL PIN                         |
| 21                 | 1                 | 66939               | BRACKET MOUNT                   |
| 22                 | 4                 | 56568               | CLAMP BOLT                      |
| 23                 | 4                 | YBHH08045           | BOLT HEX, 1/4 X 2 G5            |
| 24                 | 12                | YBHH08085           | BOLT HEX, 1/4 X 3 G5            |
| 25                 | 1                 | YBHH16010           | BOLT HEX, 1/2 X 1 G5            |
| 26                 | 1                 | YWLO16005           | WASHER LOCK, 1/2                |
| 27                 | 4                 | 56563               | COVER PLATE                     |
| 28                 | 8                 | CHM273              | COVER PLATE                     |
| 29                 | 4                 | 67354               | HOSE CLAMP, DOUBLE, 1/4         |
| 30                 | 8                 | CHM280              | HOSE CLAMP                      |
| 31                 | 14                | YNFG08010           | NUT HEX, FLANGE, NYLOCK, 1/4-20 |
| 32                 | 4                 | YPCT05010           | COTTER PIN, 5/32 X 1-1/2        |
| 33                 | 2                 | YPCT08007           | COTTER PIN, 1/4 X 2             |
| 34                 | 4                 | YPHR02020           | HAIR PIN                        |
| 35                 | 2                 | BFR506              | NYLON WEAR BLOCK                |
| 36                 | 2                 | CHM258              | FITTING, UNION                  |

**FIGURE 12**  
**HYDRAULIC LIFT CYLINDER**



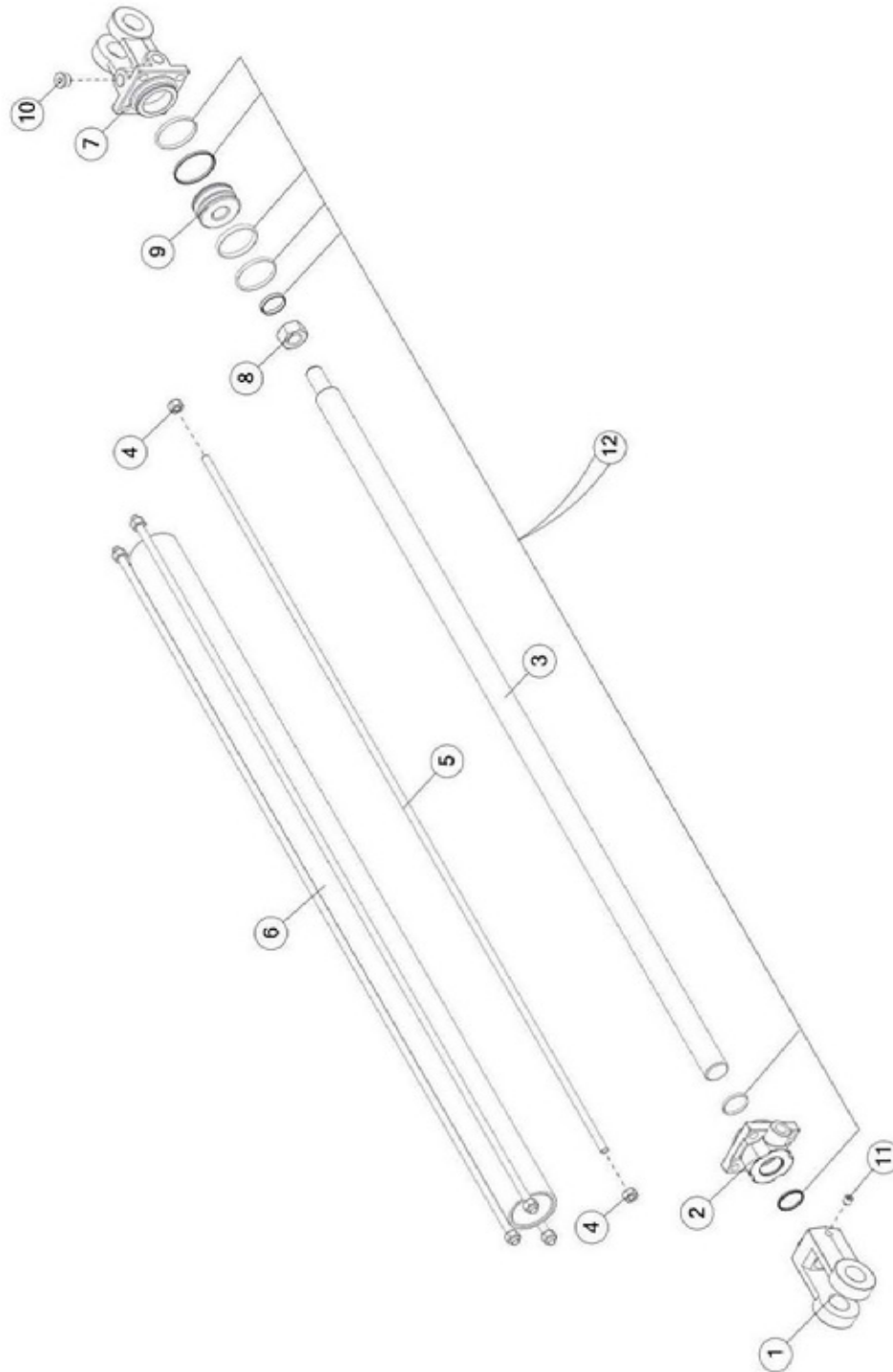
## **FIGURE 12**

### **HYDRAULIC LIFT CYLINDER**

| <b><u>ITEM</u></b> | <b><u>QTY</u></b> | <b><u>PART#</u></b> | <b><u>DESCRIPTION</u></b>    |
|--------------------|-------------------|---------------------|------------------------------|
| 1                  | 1                 | 23N150A             | ROD CLEVIS                   |
| 2                  | 1                 | YSSO12015           | SET SCREW, SOCKET, 3/8 X 3/8 |
| 3                  | 1                 | 66934               | ROD CAP                      |
| 4                  | 8                 | YNHX12006           | NUT HEX, 3/8                 |
| 5                  | 4                 | 16SV170             | TIE ROD                      |
| 6                  | 1                 | 16SV169             | CYL TUBE                     |
| 7                  | 1                 | 16SV168A            | CYL ROD                      |
| 8                  | 1                 | 56180               | PISTON                       |
| 9                  | 1                 | 23N148              | PISTON NUT                   |
| 10                 | 1                 | 66932               | CLEVIS CAP                   |
| 11                 | 1                 | SD270               | HOLLOW HEX PLUG W/VALVE BODY |
| 12                 | 1                 | 56187               | SEAL KIT                     |
| *                  | 1                 | 66933               | HYD CYLINDER 2 X 10          |

**\*MEANS NOT SHOWN**

**FIGURE 13**  
**HYDRAULIC OPENING CYLINDER**



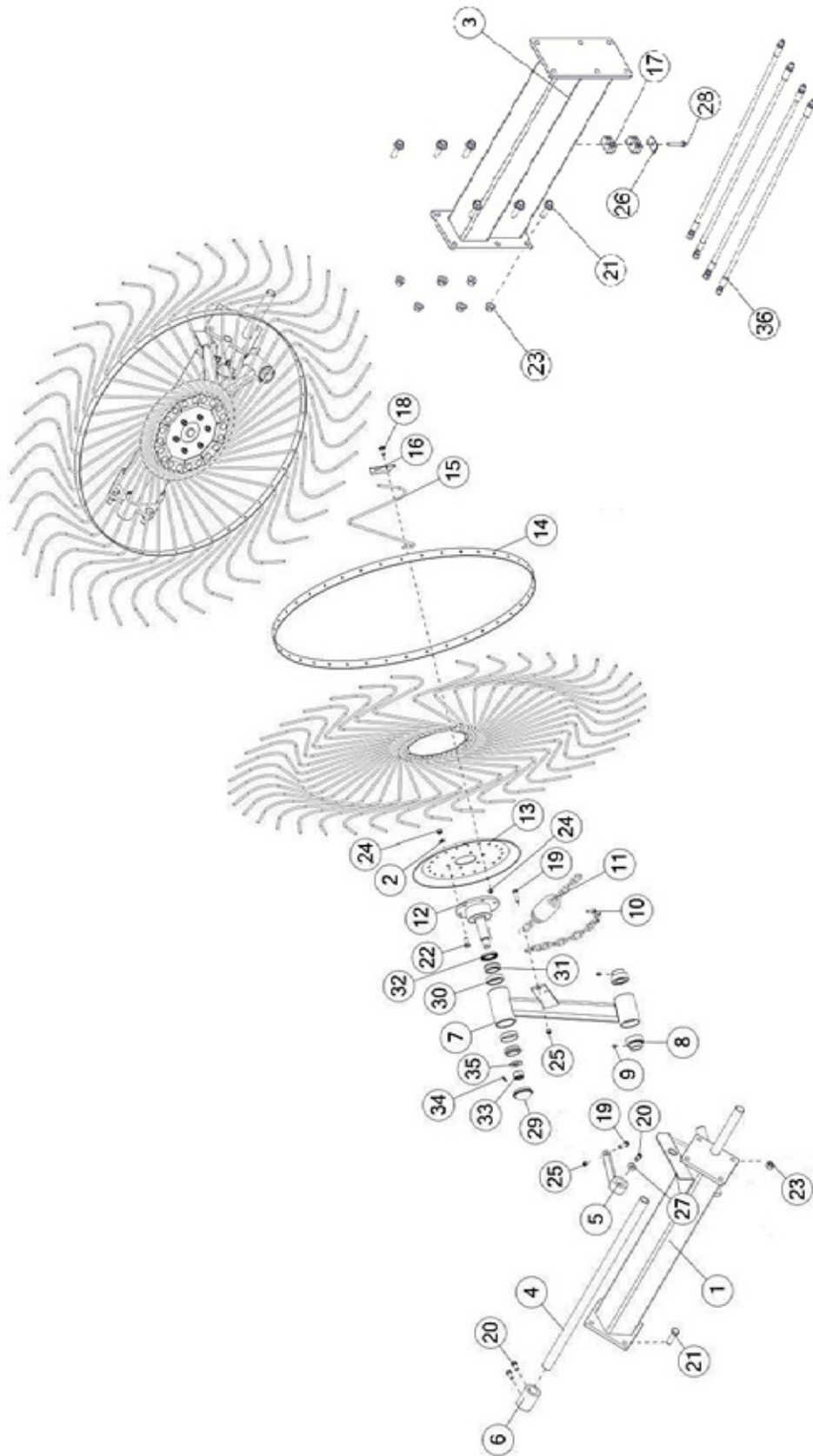
## **FIGURE 13**

### **HYDRAULIC OPENING CYLINDER**

| <b><u>ITEM</u></b> | <b><u>QTY</u></b> | <b><u>PART#</u></b> | <b><u>DESCRIPTION</u></b>    |
|--------------------|-------------------|---------------------|------------------------------|
| 1                  | 1                 | 23N150A             | ROD CLEVIS                   |
| 2                  | 1                 | 56174               | ROD CAP                      |
| 3                  | 1                 | BFR654              | ROD                          |
| 4                  | 8                 | YNHX10005           | NUT HEX, 5/16 G2             |
| 5                  | 4                 | BFR656              | TIE ROD                      |
| 6                  | 1                 | BFR655              | CYL TUBE                     |
| 7                  | 1                 | 23N142A             | CLEVIS CAP                   |
| 8                  | 1                 | 23N148              | PISTON NUT                   |
| 9                  | 1                 | 56180               | PISTON                       |
| 10                 | 1                 | SD270               | HOLLOW HEX PLUG W/VALVE BODY |
| 11                 | 1                 | YSSO12015           | SCREW SET SOCKET, 3/8 X 3/8  |
| 12                 | 1                 | 56187               | SEAL KIT                     |
| *                  | 1                 | 66935               | HYD CYLINDER 2 X 40          |

**\*MEANS NOT SHOWN**

**FIGURE 14**  
**OPTIONAL 2 WHEEL EXTENSION**



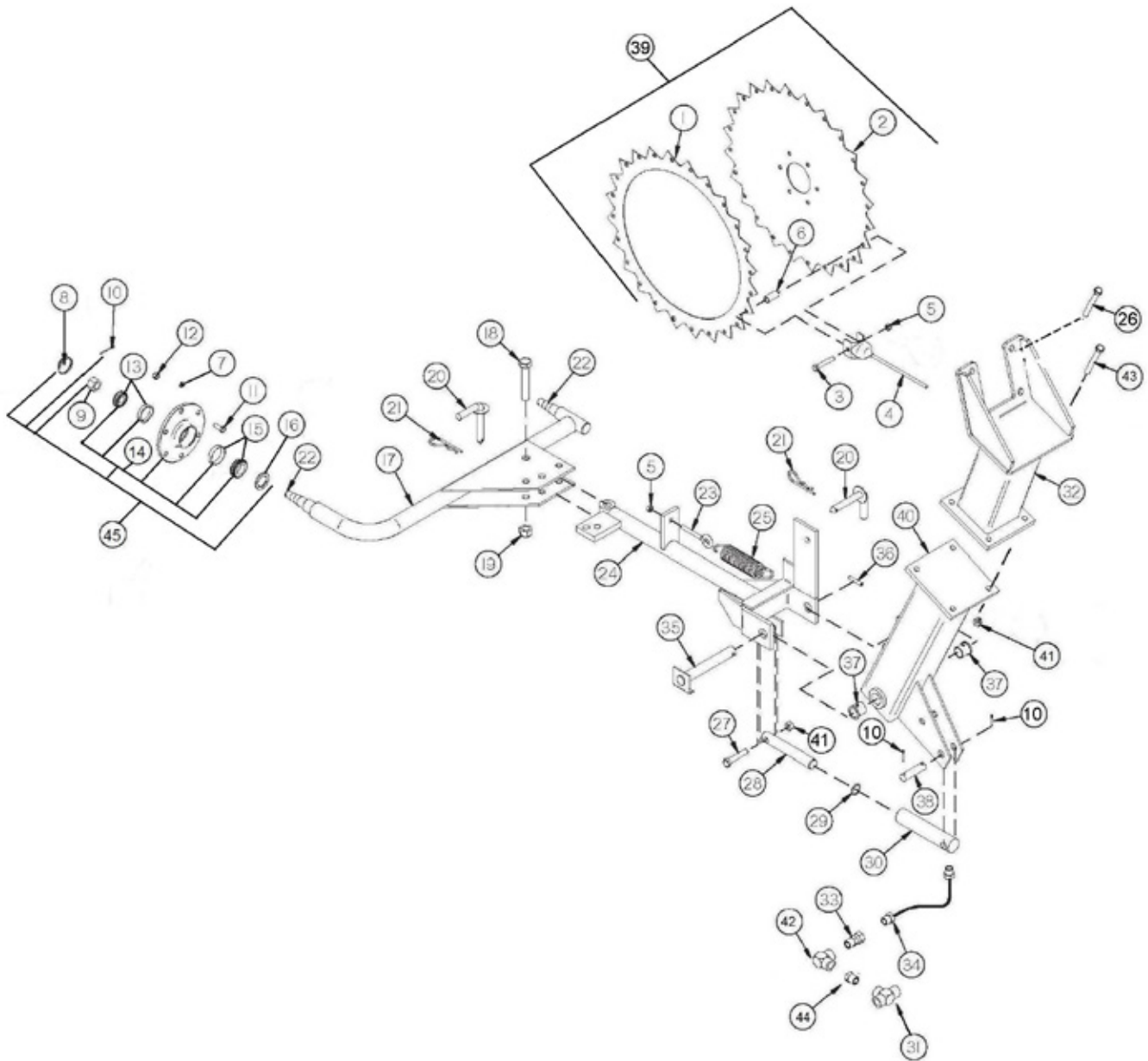
## **FIGURE 14**

### **OPTIONAL 2 WHEEL EXTENSION**

| <b><u>ITEM</u></b> | <b><u>QTY</u></b> | <b><u>PART#</u></b> | <b><u>DESCRIPTION</u></b>         |
|--------------------|-------------------|---------------------|-----------------------------------|
| 1                  | 1                 | BFR733              | RAKE BEAM EXTENSION RH            |
| *                  | 1                 | BFR734              | RAKE BEAM EXTENSION LH            |
| 2                  | 12                | YWLO76015           | WASHER LOCK, M10                  |
| 3                  | 1                 | 67429               | POLE EXTENSION                    |
| 4                  | 2                 | BFR536              | LIFTING PIPE EXT                  |
| 5                  | 2                 | BFR622              | SPRING BRACKET                    |
| 6                  | 2                 | BFR537              | LIFTING PIPE CONNECTOR            |
| 7                  | 1                 | 14DWE94             | HI CAP HEAVY ARM RH               |
| *                  | 1                 | 14DWE93             | HI CAP HEAVY ARM LH               |
| 8                  | 4                 | BFR525              | BEARING W/LOCK COLLAR 1-1/4       |
| 9                  | 4                 | YSKP10020           | SCREW SET, SOCKET                 |
| 10                 | 2                 | BFR140              | ADJUSTMENT CHAIN                  |
| 11                 | 2                 | BFR138              | SPRING                            |
| 12                 | 2                 | FR24                | HUB                               |
| 13                 | 2                 | FR71                | RAKE WHEEL CENTER 60 IN BLACK     |
| 14                 | 2                 | FR72                | RAKE WHEEL BAND 60 IN BLACK       |
| 15                 | 80                | FR73                | BIGGY RAKE WHEEL TOOTH, 60, BLACK |
| 16                 | 20                | FR74                | RAKE TOOTH CLIP BLACK             |
| 17                 | 2                 | 67354               | HOSE CLAMP DOUBLE, 1/4            |
| 18                 | 40                | YBCR76005           | BOLT CARRIAGE, 10MM X 25MM        |
| 19                 | 4                 | YBFB12150           | BOLT FLANGE, 3/8 X 1-1/2 G5       |
| 20                 | 6                 | YBHH14005           | BOLT HEX, 7/16 X 1 G5             |
| 21                 | 14                | YBFB20200           | BOLT FLANGE, 5/8 X 2 G5           |
| 22                 | 12                | YBHH76015           | BOLT HEX, M10-1.5 X 25            |
| 23                 | 14                | YNFG20005           | NUT FLANGE, 5/8 GG                |
| 24                 | 52                | YNHX76015           | NUT HEX, M10-1.5                  |
| 25                 | 4                 | YNFG12006           | NUT FLANGE, 3/8 GF                |
| 26                 | 1                 | 56563               | CLAMP TOP PLATE                   |
| 27                 | 6                 | YWFL14005           | WASHER FLAT, 7/16                 |
| 28                 | 1                 | YBFB10250           | BOLT FLANGE, 5/16 X 2-1/2 G5      |
| 29                 | 2                 | 57875               | HUB CAP                           |
| 30                 | 2                 | 58714               | RACE                              |
| 31                 | 2                 | HD122               | TAPERED BEARING                   |
| 32                 | 2                 | HD124               | SEAL                              |
| 33                 | 2                 | YNSL28005           | NUT HEX, SLOTTED, 7/8-14          |
| 34                 | 2                 | YPCT05010           | COTTER PIN 5/32 X 1-1/2           |
| 35                 | 2                 | YWFL28010           | WASHER FLAT, 7/8                  |
| 36                 | 4                 | 72142               | HYD HOSE, 4 X 33                  |

**\*MEANS NOT SHOWN**

**FIGURE 15**  
**OPTIONAL 2 WHEEL CENTER KICKER WHEEL**



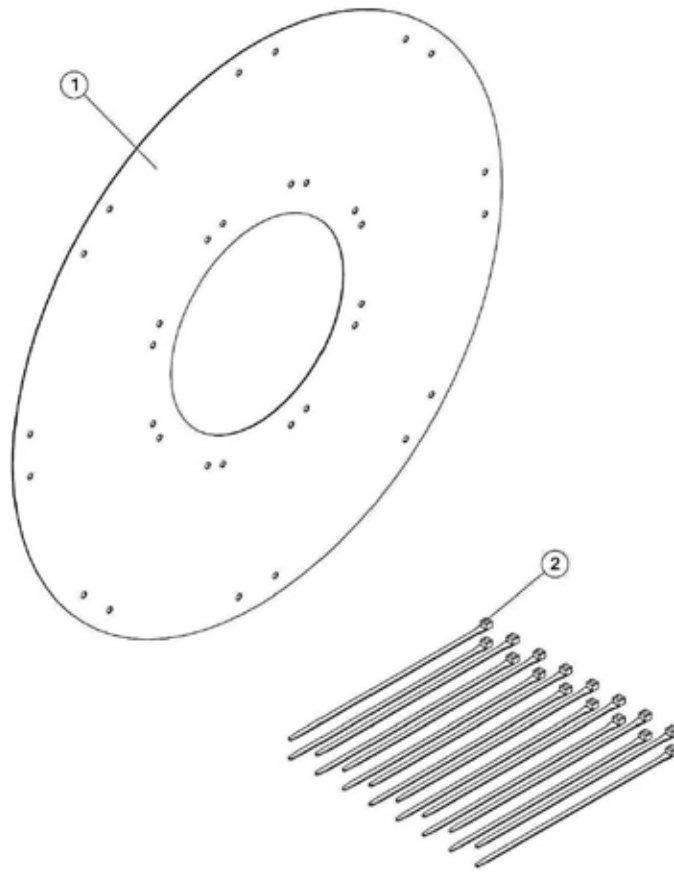


## **FIGURE 15**

### **OPTIONAL 2 WHEEL CENTER KICKER WHEEL**

| <b><u>ITEM</u></b> | <b><u>QTY</u></b> | <b><u>PART#</u></b> | <b><u>DESCRIPTION</u></b>    |
|--------------------|-------------------|---------------------|------------------------------|
| 1                  | 2                 | BFR369              | RAKE WHEEL RING              |
| 2                  | 2                 | BFR370              | RAKE WHEEL CENTER            |
| 3                  | 48                | YBHH12100           | BOLT HEX, 3/8 X 2-1/4 G5     |
| 4                  | 48                | T82                 | RUBBER MOUNTED TOOTH         |
| 5                  | 49                | YNTL12005           | NUT HEX, TOP LOCK, 3/8       |
| 6                  | 48                | BFR371              | RAKE WHEEL SPACER            |
| 7                  | 12                | YWLO76015           | WASHER LOCK, M10             |
| 8                  | 2                 | T173                | HUB CAP                      |
| 9                  | 2                 | YNSL24010           | NUT HEX, SLOTTED, 3/4        |
| 10                 | 4                 | YPCT05010           | COTTER PIN, 5/32 X 1-1/2     |
| 11                 | 12                | YBHH76015           | BOLT HEX, M10-1.5 X 25       |
| 12                 | 12                | YNHX76015           | NUT HEX, 10MM                |
| 13                 | 2                 | 600014              | OUTER BEARING AND RACE       |
| 14                 | 2                 | BFR32               | RAKE WHEEL HUB               |
| 15                 | 2                 | 600012              | INNER BEARING AND RACE       |
| 16                 | 2                 | T163                | SEAL                         |
| 17                 | 1                 | BFR511              | CENTER KICKER WHEEL ARM      |
| 18                 | 1                 | YBHH24050           | BOLT HEX, 3/4 X 3 G5         |
| 19                 | 1                 | YNTL24005           | NUT HEX, TOP LOCK, 3/4-10    |
| 20                 | 2                 | BFR197              | LOCKING PIN                  |
| 21                 | 2                 | YPHR02010           | HAIR PIN                     |
| 22                 | 2                 | BFR36               | SPINDLE                      |
| 23                 | 1                 | YBTE12030           | BOLT, TURNED EYE, 3/8 X 3    |
| 24                 | 1                 | BFR512              | CENTER KICKER WHEEL PIVOT    |
| 25                 | 1                 | BR62                | SPRING                       |
| 26                 | 4                 | YBHH20035           | BOLT HEX, 5/8 X 2-1/2 G5     |
| 27                 | 1                 | YBHH16080           | BOLT HEX, 1/2 X 2-1/2 G5     |
| 28                 | 1                 | BFR114              | PISTON                       |
| 29                 | 1                 | BFR115              | O-RING                       |
| 30                 | 1                 | BFR116              | HYD CYLINDER                 |
| 31                 | 1                 | CHM242              | SWIVEL RUN TEE FITTING       |
| 32                 | 1                 | 73977               | KICKER WHEEL STANDOFF        |
| 33                 | 1                 | 58721               | MALE ADAPTER, W/ORIFICE      |
| 34                 | 1                 | BFR737              | HYDRAULIC HOSE, 1/4 X 53     |
| 35                 | 2                 | BFR379              | AXLE SHAFT                   |
| 36                 | 1                 | YPEX10015           | EXPANSION PIN, 5/16 X 1-3/4  |
| 37                 | 2                 | BFR27               | BUSHING                      |
| 38                 | 1                 | BFR515              | CYLINDER PIN                 |
| 39                 | 2                 | BFR748              | COMPLETE WHEEL               |
| 40                 | 1                 | BFR514              | KICKER WHEEL OFFSET          |
| 41                 | 5                 | YNRL16005           | NUT HEX, 1/2                 |
| 42                 | 1                 | 23N234              | STREET ELBOW, 3/8, 90 DEGREE |
| 43                 | 4                 | YBHH16055           | BOLT HEX, 1/2 X 1-3/4 G5     |
| 44                 | 1                 | 73993               | FITTING                      |
| 45                 | 2                 | BFR76               | RAKE WHEEL HUB W/BEARINGS    |

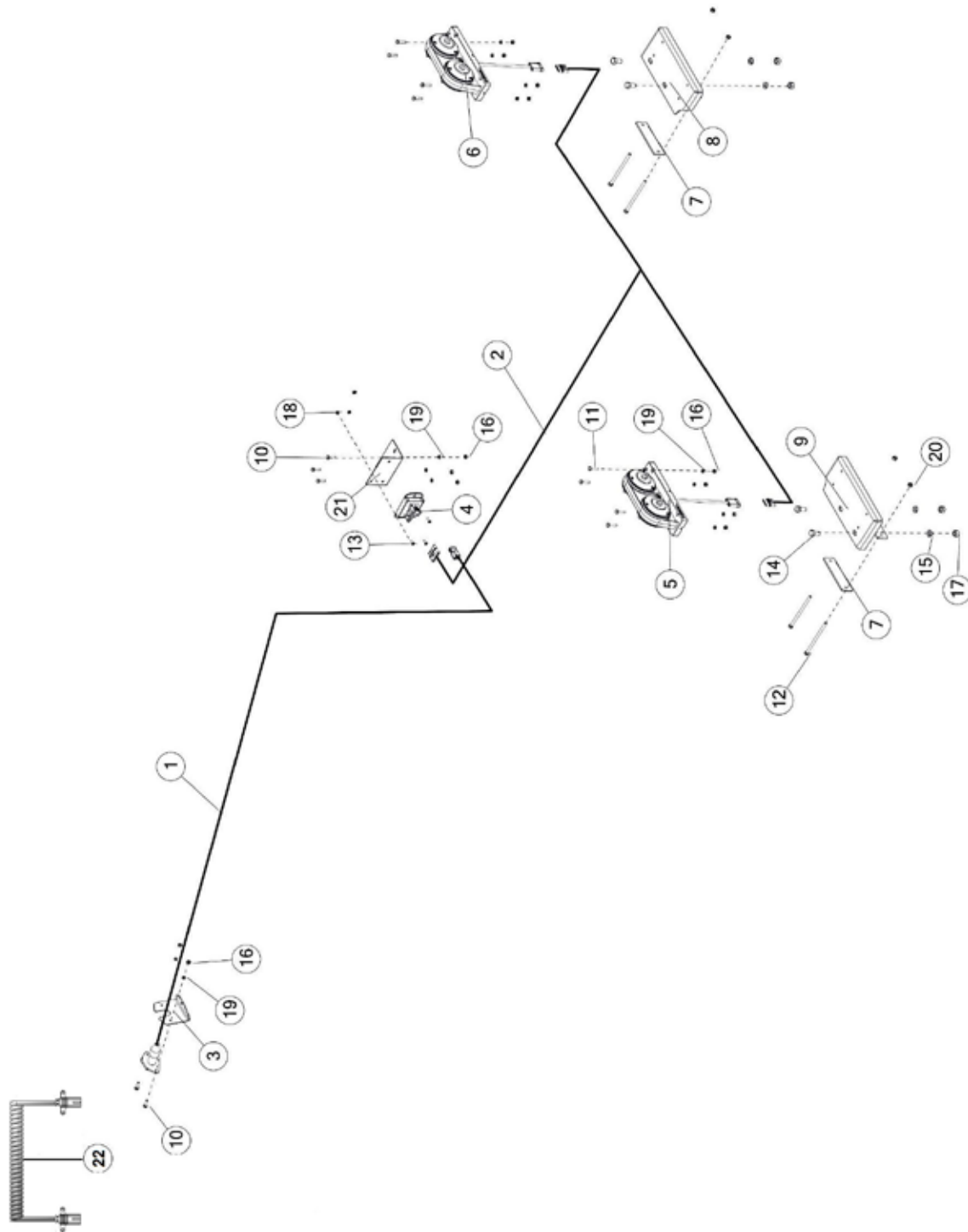
**FIGURE 16**  
**WIND GUARD**



**FIGURE 16**  
**WIND GUARD**

| <b><u>ITEM</u></b> | <b><u>QTY</u></b> | <b><u>PART#</u></b> | <b><u>DESCRIPTION</u></b> |
|--------------------|-------------------|---------------------|---------------------------|
| 1                  | 1                 | 59039               | WIND GUARD, 60 IN         |
| 2                  | 16                | CIZT105             | ZIPTIE                    |

**FIGURE 17**  
**OPTIONAL RAKE LIGHTS**



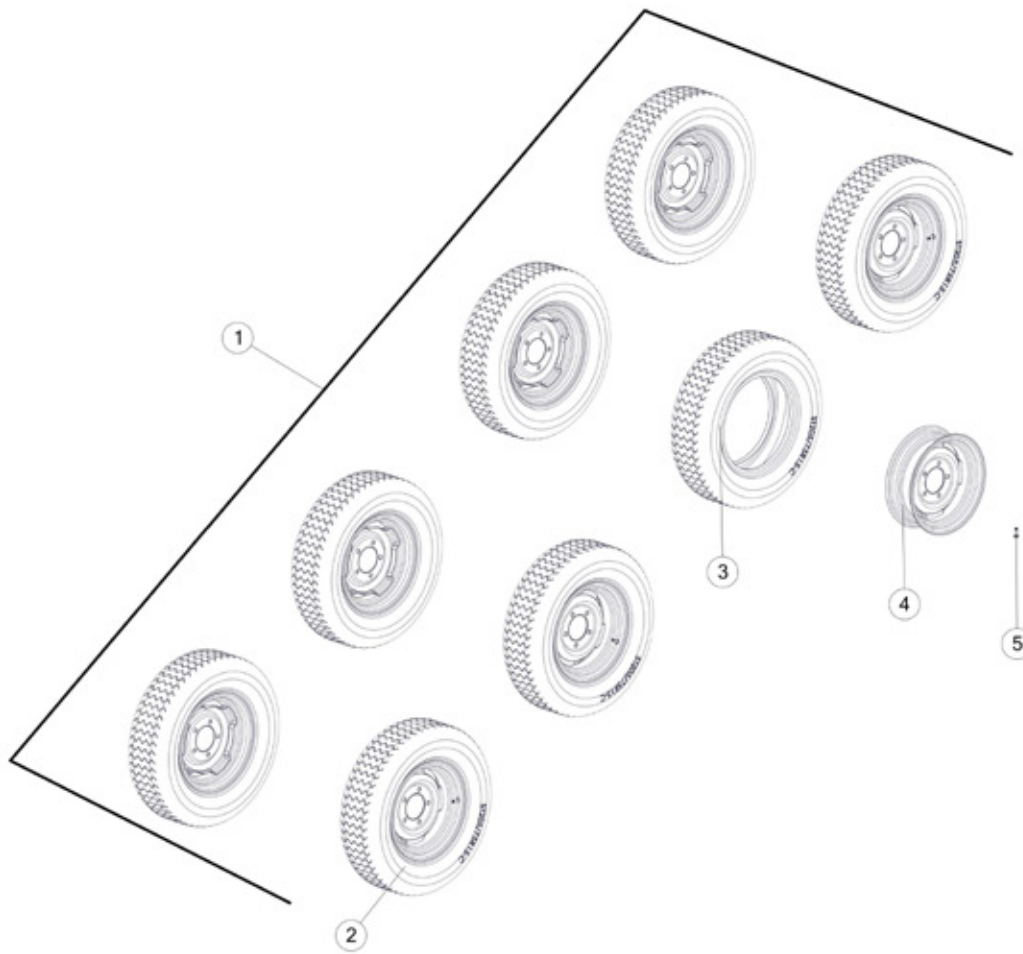
## **FIGURE 17**

### **OPTIONAL RAKE LIGHTS**

| <b><u>ITEM</u></b> | <b><u>QTY</u></b> | <b><u>PART#</u></b> | <b><u>DESCRIPTION</u></b>   |
|--------------------|-------------------|---------------------|-----------------------------|
| 1                  | 1                 | 77858               | LIGHT HARNESS FRONT         |
| 2                  | 1                 | 77847               | LIGHT HARNESS REAR          |
| 3                  | 1                 | BFR659              | LIGHT BRACKET               |
| 4                  | 1                 | 69908               | MODULE CONTROL BLINKER      |
| 5                  | 1                 | 77923               | TAIL LIGHT LH               |
| 6                  | 1                 | 77924               | TAIL LIGHT RH               |
| 7                  | 2                 | 77977               | LIGHT BRACKET, PLATE        |
| 8                  | 1                 | 77844               | LIGHT BRACKET RH            |
| 9                  | 1                 | 77846               | LIGHT BRACKET LH            |
| 10                 | 1                 | 78369               | MODULE BRACKET              |
| 11                 | 5                 | YBHH08005           | BOLT HEX, 1/4 X 1 G2        |
| 12                 | 8                 | YBHH08030           | BOLT HEX, 1/4 X 1-1/4 G2    |
| 13                 | 4                 | YBHH10133           | BOLT HEX, 5/16 X 5-1/2 G5   |
| 14                 | 4                 | YBHH16010           | BOLT HEX, 1/2 X 1 G5        |
| 15                 | 3                 | YSPN64005           | SCREW PAN HEAD #10-24 X 5/8 |
| 16                 | 5                 | YWLO08005           | WASHER LOCK, 1/4            |
| 17                 | 4                 | YWLO16005           | WASHER LOCK, 1/2            |
| 18                 | 5                 | YNHX08005           | NUT HEX, 1/4 G5             |
| 19                 | 4                 | YNHX16005           | NUT HEX, 1/2 G2             |
| 20                 | 4                 | YNNY10005           | NUT HEX, 5/16 G2            |
| 21                 | 3                 | YNNY64005           | NUT HEX, #10-24 G2          |
| 22                 | 1                 | TLCP                | TRANSPORT LIGHT CORD        |

**\*MEANS NOT SHOWN**

**FIGURE 18**  
**OPTIONAL TIRE & WHEEL**



**FIGURE 18**  
**OPTIONAL TIRE & WHEEL**

| <b><u>ITEM</u></b> | <b><u>QTY</u></b> | <b><u>PART#</u></b> | <b><u>DESCRIPTION</u></b>     |
|--------------------|-------------------|---------------------|-------------------------------|
| 1                  | 8                 | TWP205R8            | (8) ST205/75R15-C TIRE OPTION |
| 2                  | 8                 | 75697               | 205/75R15 TIRE ON AG WHEEL    |
| 3                  | 8                 | 75696               | ST205/75R15-C RADIAL TIRE     |
| 4                  | 8                 | BFR67               | WHEEL 5 X 15 5 BOLT           |
| 5                  | 8                 | 72436               | VALVE STEM, 1-1/2             |

## PARTS NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



## This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page, typical of notebook paper. There are no margins, text, or other markings on the page.

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