

# Attachment Illustrated Parts List



## Attachment

| Mfg. No. | Description   |
|----------|---------------|
| 1694391  | 3-Point Hitch |

## **Simplicity**

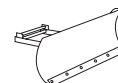
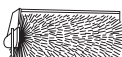
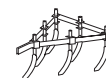
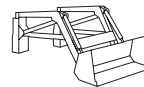
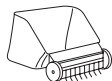
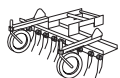
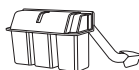
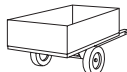
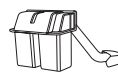
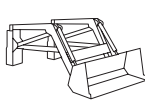
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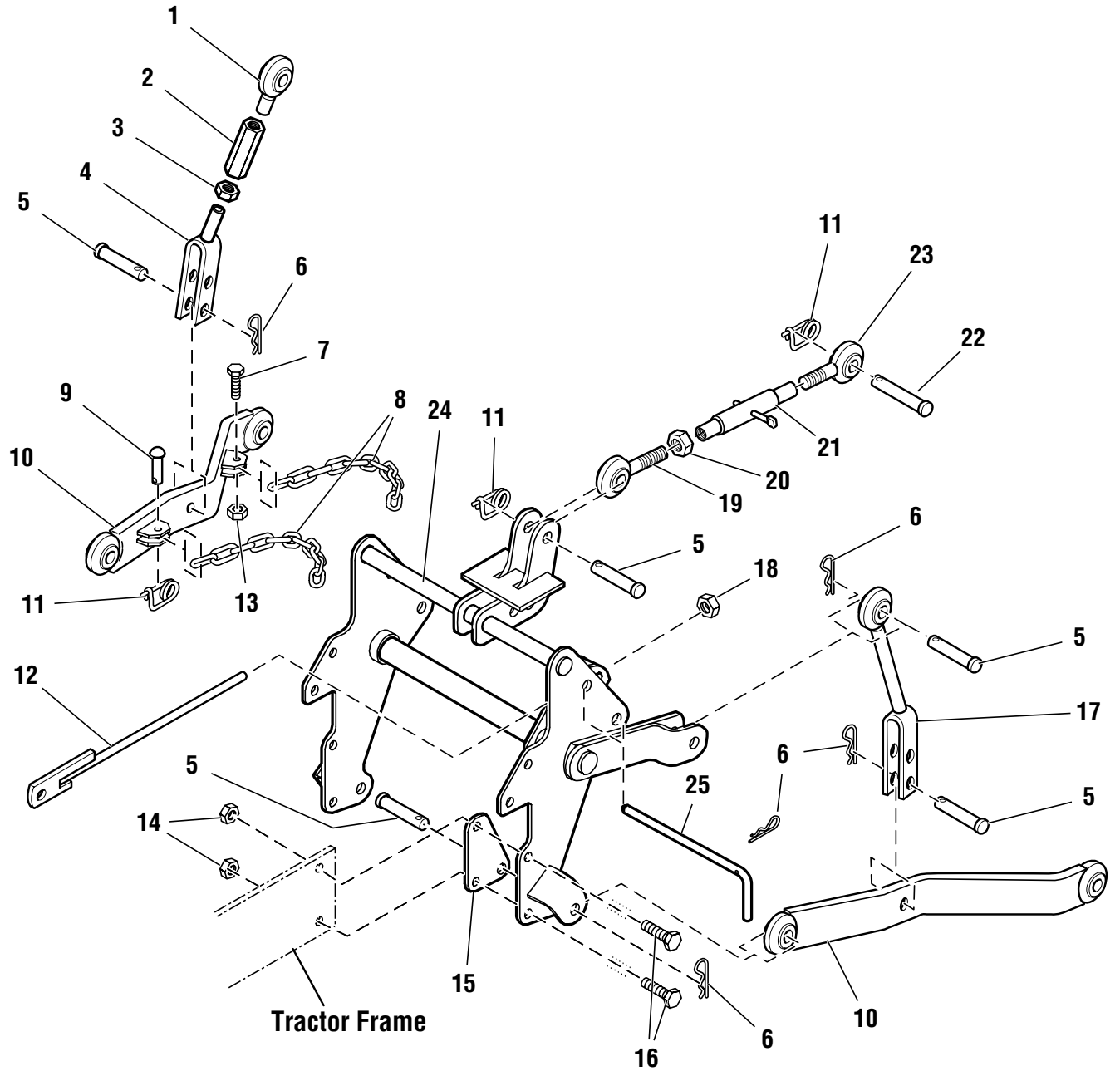
TP 400-3878-00-AT-SMA



## 3-Point Hitch Group

986304

NOTE: Unless noted otherwise,  
use the standard hardware torque  
specification chart.



The above parts group applies to the following Mfg. Nos.:  
1694391 - 3-Point Hitch

### 3-Point Hitch Group

| REF NO. | PART NO. | QTY. | DESCRIPTION                           |
|---------|----------|------|---------------------------------------|
| 1       | 1716422  | 1    | BALL JOINT & STUD ASSEMBLY, RH, Upper |
| 2       | 1716425  | 1    | TURNBUCKLE, 5/8-18 x 2-1/2            |
| 3       | 1922014  | 1    | NUT, Hex, Jam, 5/8-18                 |
| 4       | 1724829  | 1    | CLEVIS ASSEMBLY                       |
| 5       | 1725049  | 7    | PIN, Clevis, 5/8 x 2-1/2              |
| 6       | 1960033  | 8    | CLIP, Hair Pin                        |
| 7       | 1921969  | 2    | CAPSCREW, Hex Head, 3/8-16 x 1-1/2    |
| 8       | 1700312  | 2    | CHAIN, 16 Link                        |
| 9       | 156306   | 2    | PIN, Round Head, 3/4 x 1-1/2          |
| 10      | 1724769  | 2    | LINK & BALL JOINT ASSEMBLY            |
| 11      | 176012   | 3    | PIN, Spring                           |
| 12      | 1724763  | 1    | ROD ASSEMBLY, Lift                    |
| 13      | 1919439  | 2    | LOCKNUT, Hex, Nylock, 3/8-16          |
| 14      | 1960355  | 8    | LOCKNUT, Hex, 1/2-13                  |
| 15      | 1724826  | 2    | SUPPORT, Inner, Pin                   |
| 16      | 1920328  | 8    | CAPSCREW, Hex Head, 1/2-13 x 1-1/2    |
| 17      | 1724809  | 1    | CLEVIS ASSEMBLY, Fixed                |
| 18      | 1922134  | 1    | LOCKNUT, Center Lock, 1/2-13          |
| 19      | 1700419  | 1    | STUD & BALL JOINT ASSEMBLY, RH        |
| 20      | 1960297  | 1    | NUT, Jam, 3/4-10                      |
| 21      | 1700479  | 1    | TUBE & PIN ASSEMBLY, Upper            |
| 22      | 1725244  | 1    | PIN, Clevis, Rear                     |
| 23      | 1725235  | 1    | BALL JOINT & STUD ASSEMBLY            |
| 24      | 1724758  | 1    | HITCH ASSEMBLY                        |
| 25      | 1725281  | 1    | ROD, Hitch                            |

### Footnotes

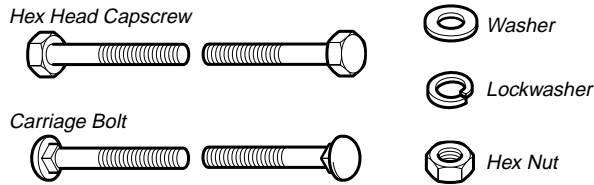
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The above parts group applies to the following Mfg. Nos.:

1694391 - 3-Point Hitch

# Hardware Identification & Torque Specifications

## Common Hardware Types

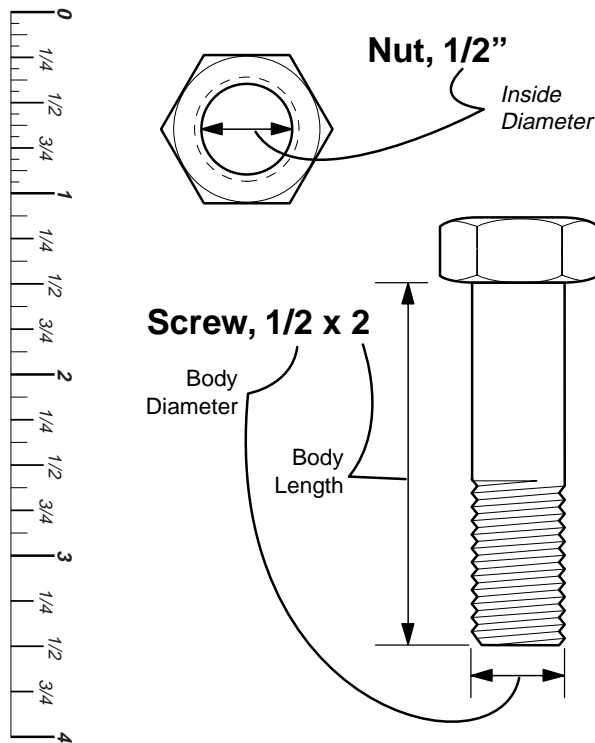


## Standard Hardware Sizing

When a washer or nut is identified as  $1/2''$ , this is the *Nominal size*, meaning the *inside diameter* is  $1/2$  inch; if a second number is present it represents the *threads per inch*

When bolt or capscrew is identified as  $1/2 - 16 \times 2''$ , this means the *Nominal size*, or *body diameter* is  $1/2$  inch; the second number represents the *threads per inch* (16 in this example, and the final number is the *body length* of the bolt or screw (in this example 2 inches long).

**The guides and ruler furnished below are designed to help you select the appropriate hardware and tools.**



## Torque Specification Chart

FOR STANDARD MACHINE HARDWARE (Tolerance  $\pm 20\%$ )

| Hardware Grade | No Marks<br>SAE Grade 2 |       | SAE Grade 5      |       | SAE Grade 8      |         |
|----------------|-------------------------|-------|------------------|-------|------------------|---------|
|                | in/lbs<br>ft/lbs        | Nm.   | in/lbs<br>ft/lbs | Nm.   | in/lbs<br>ft/lbs | Nm.     |
| 8-32           | 19                      | 2.1   | 30               | 3.4   | 41               | 4.6     |
| 8-36           | 20                      | 2.3   | 31               | 3.5   | 43               | 4.9     |
| 10-24          | 27                      | 3.1   | 43               | 4.9   | 60               | 6.8     |
| 10-32          | 31                      | 3.5   | 49               | 5.5   | 68               | 7.7     |
| 1/4-20         | 66                      | 7.6   | 8                | 10.9  | 12               | 16.3    |
| 1/4-28         | 76                      | 8.6   | 10               | 13.6  | 14               | 19.0    |
| 5/16-18        | 11                      | 15.0  | 17               | 23.1  | 25               | 34.0    |
| 5/16-24        | 12                      | 16.3  | 19               | 25.8  | 27               | 34.0    |
| 3/8-16         | 20                      | 27.2  | 30               | 40.8  | 45               | 61.2    |
| 3/8-24         | 23                      | 31.3  | 35               | 47.6  | 50               | 68.0    |
| 7/16-14        | 30                      | 40.8  | 50               | 68.0  | 70               | 95.2    |
| 7/16-20        | 35                      | 47.6  | 55               | 74.8  | 80               | 108.8   |
| 1/2-13         | 50                      | 68.0  | 75               | 102.0 | 110              | 149.6   |
| 1/2-20         | 55                      | 74.8  | 90               | 122.4 | 120              | 163.2   |
| 9/16-12        | 65                      | 88.4  | 110              | 149.6 | 150              | 204.0   |
| 9/16-18        | 75                      | 102.0 | 120              | 163.2 | 170              | 231.2   |
| 5/8-11         | 90                      | 122.4 | 150              | 204.0 | 220              | 299.2   |
| 5/8-18         | 100                     | 136   | 180              | 244.8 | 240              | 326.4   |
| 3/4-10         | 160                     | 217.6 | 260              | 353.6 | 386              | 525.0   |
| 3/4-16         | 180                     | 244.8 | 300              | 408.0 | 420              | 571.2   |
| 7/8-9          | 140                     | 190.4 | 400              | 544.0 | 600              | 816.0   |
| 7/8-14         | 155                     | 210.8 | 440              | 598.4 | 660              | 897.6   |
| 1-8            | 220                     | 299.2 | 580              | 788.8 | 900              | 1,244.0 |
| 1-12           | 240                     | 326.4 | 640              | 870.4 | 1,000            | 1,360.0 |

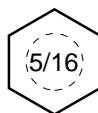
### NOTES

- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
  - for prevailing torque locknuts - use 65% of grade 5 torques.
  - for flange whizlock nuts and screws - use 135% of grade 5 torques.
- Unless otherwise noted on assembly drawings, all torque values must meet this specification.

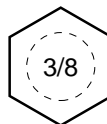
## Wrench & Fastener Size Guide



$1/4''$  Bolt or Nut  
Wrench— $7/16''$



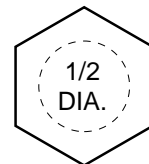
$5/16''$  Bolt or Nut  
Wrench— $1/2''$



$3/8''$  Bolt or Nut  
Wrench— $9/16''$



$7/16''$  DIA.  
Wrench (Bolt)— $5/8''$   
Wrench (Nut)— $11/16''$



$1/2''$  DIA.  
Wrench— $3/4''$