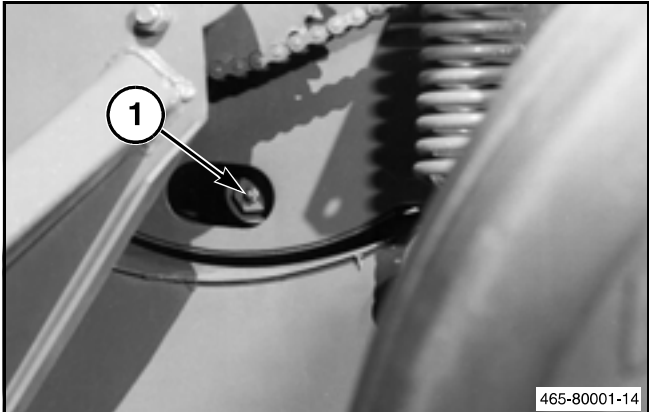
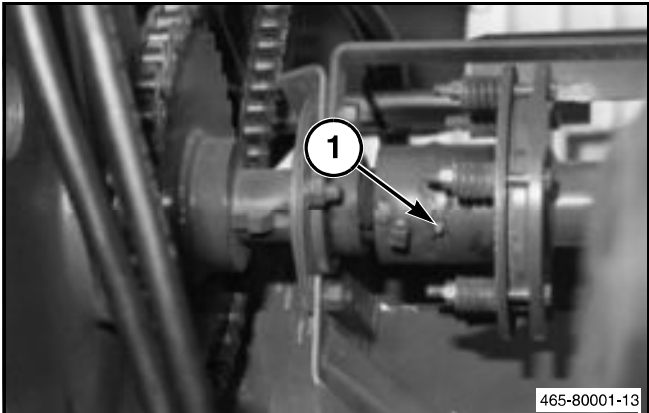


**FIG. 30:** Stuffer grease fitting (1) on the left-hand side. (8 hours)



**FIG. 30**

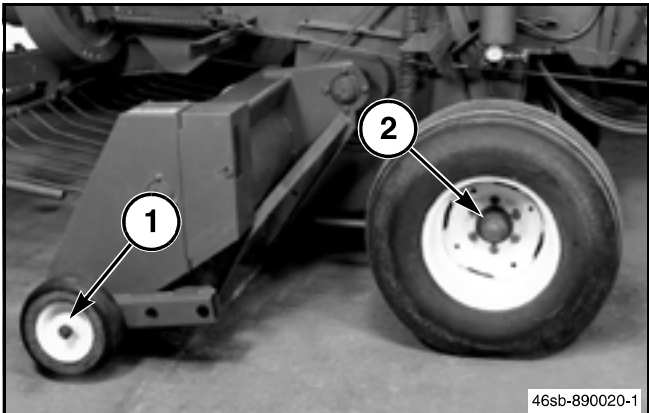
**FIG. 31:** Pickup slip clutch grease fitting (1) on the right-hand side. (20 hours)



**FIG. 31**

**FIG. 32:** Gauge wheel grease fitting (1) on both sides of the baler. (8 hours)

Wheel bearing (2). Clean and pack wheel bearings once each season.



**FIG. 32**

# General Information


## TORQUE CHARTS

### Standard Torque Specifications


Foot Pounds (lbf ft) Newton Meters (Nm)

Use this chart as a guide when tightening bolts and nuts that do not have special torque specifications.


| SIZE      | SUGGESTED ASSEMBLY TORQUE VALUES (STANDARD HARDWARE) |      |         |     |                                |      |         |      |                                |      |         |      |
|-----------|--|------|---------|-----|--------------------------------|------|---------|------|--------------------------------|------|---------|------|
|           | SAE GRADE 2<br>ASSEMBLY TORQUE                       |      |         |     | SAE GRADE 5<br>ASSEMBLY TORQUE |      |         |      | SAE GRADE 8<br>ASSEMBLY TORQUE |      |         |      |
|           | DRY  |      | LUBE    |     | DRY                            |      | LUBE    |      | DRY                            |      | LUBE    |      |
|           | Ft.-Lb.  | N.m  | Ft.-Lb. | N.m | Ft.-Lb.                        | N.m  | Ft.-Lb. | N.m  | Ft.-Lb.                        | N.m  | Ft.-Lb. | N.m  |
| 5/16"-18  | 11   | 15   | 8       | 11  | 17                             | 23   | 13      | 18   | 25                             | 34   | 18      | 24   |
| 5/16"-24  | 12   | 16   | 9       | 12  | 19                             | 26   | 14      | 19   | 25                             | 34   | 20      | 27   |
| 3/8"-16   | 20   | 27   | 15      | 20  | 30                             | 41   | 23      | 31   | 45                             | 61   | 35      | 47   |
| 3/8"-24   | 23   | 31   | 17      | 23  | 35                             | 47   | 25      | 34   | 50                             | 68   | 35      | 47   |
| 7/16"-14  | 30   | 41   | 24      | 33  | 50                             | 68   | 35      | 47   | 70                             | 95   | 55      | 75   |
| 7/16"-20  | 35   | 47   | 25      | 34  | 55                             | 75   | 40      | 54   | 80                             | 108  | 60      | 81   |
| 1/2"-13   | 50   | 68   | 35      | 47  | 75                             | 102  | 55      | 75   | 110                            | 140  | 80      | 108  |
| 1/2"-20   | 55   | 75   | 40      | 54  | 90                             | 122  | 65      | 88   | 120                            | 163  | 90      | 122  |
| 9/16"-12  | 65   | 88   | 50      | 68  | 110                            | 149  | 80      | 108  | 150                            | 203  | 110     | 149  |
| 9/16"-18  | 75   | 102  | 55      | 75  | 120                            | 163  | 90      | 122  | 170                            | 230  | 130     | 176  |
| 5/8"-11   | 90   | 122  | 70      | 95  | 150                            | 203  | 110     | 149  | 220                            | 298  | 170     | 230  |
| 5/8"-18   | 100  | 136  | 80      | 108 | 180                            | 244  | 130     | 176  | 240                            | 325  | 180     | 244  |
| 3/4"-10   | 160  | 217  | 120     | 163 | 260                            | 353  | 200     | 271  | 380                            | 515  | 280     | 380  |
| 3/4"-16   | 180  | 244  | 140     | 190 | 300                            | 407  | 220     | 298  | 420                            | 569  | 320     | 434  |
| 7/8"-9    | 140  | 190  | 110     | 149 | 400                            | 542  | 300     | 407  | 600                            | 813  | 460     | 624  |
| 7/8"-14   | 155  | 210  | 120     | 163 | 440                            | 597  | 320     | 434  | 660                            | 895  | 500     | 678  |
| 1"-8      | 220  | 298  | 160     | 217 | 580                            | 786  | 440     | 597  | 900                            | 1220 | 680     | 922  |
| 1"-12     | 240  | 325  | 170     | 230 | 640                            | 868  | 480     | 651  | 1000                           | 1356 | 740     | 1003 |
| 1-1/8"-7  | 300  | 407  | 220     | 298 | 800                            | 1085 | 600     | 813  | 1280                           | 1735 | 960     | 1302 |
| 1-1/8"-12 | 340  | 461  | 260     | 353 | 880                            | 1193 | 660     | 895  | 1440                           | 1952 | 1080    | 1464 |
| 1-1/4"-7  | 420  | 569  | 320     | 434 | 1120                           | 1519 | 840     | 1139 | 1820                           | 2468 | 1360    | 1844 |
| 1-1/4"-12 | 460  | 624  | 360     | 488 | 1240                           | 1681 | 920     | 1247 | 2000                           | 2712 | 1500    | 2034 |
| 1-3/8"-6  | 560  | 759  | 420     | 569 | 1460                           | 1979 | 1100    | 1491 | 2380                           | 3227 | 1780    | 2413 |
| 1-3/8"-12 | 640  | 868  | 460     | 624 | 1680                           | 2278 | 1260    | 1708 | 2720                           | 3688 | 2040    | 2766 |
| 1-1/2"-6  | 740  | 1003 | 560     | 759 | 1940                           | 2630 | 1460    | 1979 | 3160                           | 4284 | 2360    | 3200 |
| 1-1/2"-12 | 840  | 1139 | 620     | 841 | 2200                           | 2988 | 1640    | 2224 | 3560                           | 4827 | 2660    | 3606 |



GRADE 2  
NO MARKS



GRADE 5  
3 MARKS



GRADES 8  
6 MARKS

Std\_Torq.doc STD\_TORQ

**FIG. 33**

**FIG. 33:** Standard Torque Chart.

*NOTE: Mild steel torque values (SAE Grade 2) are also to be used when weld nuts, or other low strength nuts are used.*