

[4] TIGHTENING TORQUES

1) Tightening Torques for Important Screws, Bolts and Nuts

| Section | Screws, Bolts and Nuts | Tightening Torque | | | |
|---|--|--------------------------------------|--------------|--------------|--------------|
| | | N·m | kgf·m | ft-lbs | |
| Transmission (Transmission Case Differential Gear Case) | 37T spiral bevel gear mounting screws | 30 to 35 | 3.0 to 3.5 | 21.7 to 25.3 | |
| | Bearing holder mounting screws | 18 to 24 | 1.8 to 2.4 | 13.0 to 17.3 | |
| | Differential bearing holder mounting screws | 18 to 24 | 1.8 to 2.4 | 13.0 to 17.3 | |
| | Bearing support mounting screws | 17 to 22 | 1.7 to 2.2 | 12.3 to 15.9 | |
| | Front cover mounting screws | 30 to 44 | 3.0 to 4.5 | 21.7 to 32.5 | |
| | PTO shaft staking nut | 98 to 147 | 1.00 to 15.0 | 72.3 to 108 | |
| | Mid PTO drive case mounting screws | 48 to 56 | 4.9 to 5.7 | 35.4 to 41.2 | |
| | Front drive shift fork mounting screws | 9.8 to 11.3 | 1.00 to 1.15 | 7.3 to 8.3 | |
| | Clutch housing case mounting screws and nuts | 74 to 78 | 7.5 to 8.0 | 54.2 to 57.9 | |
| | Transmission case mounting screws, bolt and nuts | 35 to 39 | 3.5 to 4.0 | 25.3 to 28.9 | |
| | Rear cover mounting screws | 48 to 56 | 4.9 to 5.7 | 35.4 to 41.2 | |
| | [Hydrostatic Transmission] | HST mounting screws | 48 to 56 | 4.9 to 5.7 | 35.4 to 41.2 |
| | | Accumulator mounting screws | 36.8 to 41.8 | 3.75 to 4.25 | 27.1 to 30.7 |
| | | Neutral adjuster mounting bolt | 30.9 to 37.8 | 3.15 to 3.85 | 22.8 to 27.8 |
| | | Trunnion shaft cover mounting screws | 3.53 to 4.31 | 0.36 to 0.44 | 2.6 to 3.2 |
| Rear Axle | Axle case mounting screws and nut (M10) | 48 to 56 | 4.9 to 5.7 | 35.4 to 41.2 | |
| | (M12) | 78 to 90 | 7.9 to 9.2 | 57.1 to 66.5 | |
| | Rear wheel mounting screws and nuts | 196 to 225 | 20 to 23 | 145 to 166 | |
| Hydraulic System | Hydraulic cylinder mounting screws and nuts | 30 to 44 | 3.0 to 4.5 | 21.7 to 32.5 | |
| | Cylinder cap mounting screws | 30 to 39 | 3.0 to 4.0 | 21.7 to 28.9 | |
| | Piston rod set pin mounting screws | 44 to 59 | 4.5 to 6.0 | 32.6 to 43.4 | |
| | Control valve mounting screws | 24 to 28 | 2.4 to 2.8 | 17.4 to 20.2 | |
| | Delivery pipe 1 connecting bolts | 54 to 69 | 5.5 to 7.0 | 39.8 to 50.6 | |
| | Delivery pipe 2 connecting bolts | 54 to 69 | 5.5 to 7.0 | 39.8 to 50.6 | |
| | Charge Pipe 1 connecting bolts | 54 to 69 | 5.5 to 7.0 | 39.8 to 50.6 | |
| | Charge Pipe 2 connecting bolts | 54 to 69 | 5.5 to 7.0 | 39.8 to 50.6 | |
| | Suction Pipe 1 connecting bolts | 54 to 69 | 5.5 to 7.0 | 39.8 to 50.6 | |
| | Front Pipe connecting bolt | 34 to 49 | 3.5 to 5.0 | 25.3 to 36.2 | |
| | Return pipe 1 connecting bolt | 54 to 69 | 5.5 to 7.0 | 39.8 to 50.6 | |
| | [Hydraulic Block Type Outlet] | Mounting screws | 18 to 21 | 1.8 to 2.1 | 13.0 to 15.0 |
| | | Relief valve plug | 49 to 59 | 5.0 to 6.0 | 36.2 to 43.4 |
| | | Flow priority valve plug | 49 to 59 | 5.0 to 6.0 | 36.2 to 43.4 |