

### 3. TIGHTENING TORQUES

Tightening torque of screws, bolts and nuts on the table below are especially specified.  
(For general use screws, bolts and nuts: Refer to "5. TIGHTENING TORQUES" on page G-13.)

#### TRACTOR

Item	N·m	kgf·m	lbf·ft
Muffler pipe mounting bolt	31 to 37	3.2 to 3.7	23 to 27
Exhaust flange mounting bolt (9T)	61 to 70	6.2 to 7.2	45 to 52
Exhaust flange mounting nut	49 to 55	5.0 to 5.7	37 to 41
Steering wheel mounting nut	48 to 55	4.9 to 5.7	36 to 41
Starter <b>B</b> terminal mounting nut	7.8 to 9.8	0.8 to 1.0	5.8 to 7.2
Joint bolt for PTO clutch delivery pipe	35 to 39	3.5 to 4.0	26 to 28
Joint bolt for 3-point delivery pipe	49 to 58	5.0 to 6.0	37 to 43
Joint bolt for power steering main delivery hose	49 to 58	5.0 to 6.0	37 to 43
Joint bolt for HST return pipe (HST model)	89 to 98	9.0 to 1.0	65 to 72
Power steering turning delivery hose retaining nut	25 to 29	2.5 to 3.0	18 to 21
Engine and clutch hosing mounting bolt and nut	78 to 90	7.9 to 9.2	58 to 66
Engine and clutch housing mounting stud bolt	40 to 49	4.0 to 5.0	29 to 36
Front axle frame mounting bolt (M10)	61 to 70	6.2 to 7.2	45 to 52
Front axle frame mounting bolt (M12)	103 to 122	10.5 to 12.5	76.0 to 90.4
Clutch pressure plate mounting bolt (Manual transmission model)	24 to 27	2.4 to 2.8	18 to 20

**ENGINE**

Item	N·m	kgf·m	lbf·ft
Oil pressure switch bolt	15 to 19	1.5 to 2.0	11 to 14
Filter comp (DPF) mounting clamp band	16 to 20	1.7 to 2.0	12 to 14
DPF temperature sensor	25 to 34	2.5 to 3.5	18 to 25
DPF differential pressure pipe	16 to 22	1.6 to 2.3	12 to 16
Common rail mounting bolt	24 to 27	2.4 to 2.8	18 to 20
Injection pipe retaining nut	25 to 29	2.5 to 3.0	18 to 21
Coolant temperature sensor taper bolt	16 to 23	1.6 to 2.4	12 to 17
Camshaft position sensor mounting bolt	4 to 5	0.4 to 0.6	3 to 4
Crankshaft position sensor mounting bolt	4 to 5	0.4 to 0.6	3 to 4
Intake air pressure sensor mounting bolt	0.98 to 1.7	0.10 to 0.18	0.73 to 1.3
*Cylinder head cover bolt	6.87 to 11.2	0.700 to 1.15	5.07 to 8.31
Glow lead mounting nut	0.98 to 1.7	0.10 to 0.18	0.73 to 1.3
Glow plug	15 to 19	1.5 to 2.0	11 to 14
Injector clamp bolt	24 to 27	2.4 to 2.8	18 to 20
Injection pipe retaining nut	25 to 29	2.5 to 3.0	18 to 21
Rocker arm bracket bolt	24 to 27	2.4 to 2.8	18 to 20
Cylinder head mounting bolt	93.2 to 98.0	9.50 to 10.0	68.8 to 72.3
Supply pump mounting nut	24 to 27	2.4 to 2.8	18 to 20
Injection pipe retaining nut	25 to 29	2.5 to 3.0	18 to 21
Oil cooler joint	40 to 44	4.0 to 4.5	29 to 32
Fan drive pulley mounting nut	138 to 156	14.0 to 16.0	102 to 115
Camshaft set bolt	24 to 27	2.4 to 2.8	18 to 20
*Connecting rod bolt	40 to 45	4.1 to 4.5	30 to 33
*Flywheel bolt	98.1 to 107	10.0 to 11.0	72.4 to 79.5
Mounting bolt of bearing case cover	24 to 27	2.4 to 2.8	18 to 20
Bolt 2 of main bearing case	69 to 73	7.0 to 7.5	51 to 54
Bolt 1 of main bearing case	46 to 50	4.7 to 5.2	34 to 37
Cylinder head mounting bolt	93.3 to 98.0	9.51 to 10.0	68.8 to 72.3

**NOTE**

- For the bolts and nuts with the mark "\*", apply engine oil to their threads and seats before you tighten.

9Y1210974ENS0003US0