

# TORQUE SPECIFICATION

Part/tightened		N·m	kgf·cm	ft·lbf
<b>STEERING COLUMN</b>				
Steering wheel set nut		35	360	26
Steering wheel pad set screw (Torx screw)		9.0	90	78 in.·lbf
Steering column assembly set nut and bolt		26	260	19
Main shaft assembly x Sliding yoke	2WD	35	360	26
Sliding yoke x Intermediate No.2 shaft	2WD	35	360	26
Control valve shaft x Intermediate No.2 shaft	2WD	35	360	26
Main shaft assembly x Universal joint No.2	4WD	35	360	26
Universal joint No.2 x Intermediate No.2 shaft	4WD	35	360	26
Control valve shaft x Intermediate No.2 shaft	4WD	35	360	26
Column hole cover x Body	2WD	8	80	69 in.·lbf
Column hole cover No.2 x Column hole cover x Body	4WD	8	80	69 in.·lbf
<b>NON-TILT STEERING COLUMN:</b>				
Column shift lever assembly x Column tube	Column shift	8	82	71 in.·lbf
Turn signal bracket set bolt	Column shift	3	30	26 in.·lbf
<b>TILT STEERING COLUMN (TMC Made):</b>				
Tilt lever retainer set nut		20	200	14
<b>TILT STEERING COLUMN (NASTECH Made):</b>				
Column shift lever assembly x Column tube		9.3	95	83 in.·lbf
Turn signal bracket set bolt		3.4	35	31 in.·lbf
<b>PS VANE PUMP</b>				
<b>2RZ-FE, 3RZ-FE and 5VZ-FE:</b>				
Union bolt x Pressure feed tube		47	475	34
Pressure port union x Pump housing		83	850	61
Bracket x Pump assembly	5VZ-FE	43	440	32
Oil reservoir set bolt	Front	13	130	9
	Rear	24	240	17
Vane pump pulley set nut		43	440	32
Oil pressure switch x Pressure feed tube	5VZ-FE	21	210	15
Vane pump assembly with bracket set bolt and nut	5VZ-FE	39	400	29
Vane pump assembly set bolt	2RZ-FE, 3RZ-FE	43	440	32
Rear housing set bolt		24	240	17
<b>MANUAL STEERING GEAR</b>				
Pinion bearing adjusting screw		17 (25)	174 (250)	13 (18)
Pinion bearing adjusting screw lock nut		88 (113)	894 (1,150)	65 (83)
Rack guide spring cap		25	250	18
Rack guide spring cap lock nut		50 (69)	513 (700)	37 (51)
Rack housing No.2 bracket set bolt		61	620	45
Rack x Rack end		61 (83)	621 (850)	45 (62)
Tie rod end lock nut		54	550	40
Manual steering gear assembly x Body		201	2,050	148
Sliding yoke x Intermediate No.2 shaft		35	360	26
Pinion shaft x Intermediate No.2 shaft		35	360	26

PS GEAR			
2WD:			
Self-locking nut	25	250	18
Rack housing cap	59	600	43
Control valve housing set bolt	18	185	13
Rack guide spring cap	25	250	18
Rack guide spring cap lock nut	50 (60)	513 (700)	37 (51)
Rack housing No.2 bracket set bolt	61	620	45
Rack x Rack end	60 (83)	615 (850)	45 (61)
Tie rod end lock nut	54	550	40
Turn pressure tube union nut	10 (13)	102 (130)	7 (9)
PS gear assembly set bolt	201	2,050	148
Pressure feed tube x Control valve housing	36 (45)	365 (450)	26 (33)
Return tube x Control valve housing	40 (49)	405 (500)	29 (36)
Sliding yoke x Intermediate No.2 shaft	35	360	26
Control valve shaft x Intermediate No.2 shaft	35	360	26
4WD and Pre runner:			
Cylinder end stopper	59 (78)	597 (800)	43 (58)
Rack guide spring cap lock nut	51 (69)	521 (700)	38 (51)
Rack x Rack end	76 (103)	770 (1,050)	56 (76)
Tie rod end lock nut	55	560	41
Turn pressure tube union nut	20 (25)	203 (250)	15 (18)
PS gear assembly set bolt	167	1,700	123
PS gear assembly set bolt and nut	191	1,950	141
Bracket x Body	167	1,700	123
Pressure feed tube x Control valve housing	36 (45)	365 (450)	26 (33)
Return tube x Control valve housing	40 (49)	405 (500)	29 (36)
Universal joint No.2 x Intermediate No.2 shaft	35	360	26
Control valve shaft x Intermediate No.2 shaft	35	360	26

( ): For use without SST