

1. Steering System

A: SPECIFICATIONS

Whole system	Minimum turning radius		m (ft)	5.4 (17.7)
	Steering angle (Inside-Outside)			34.4°±1.5° — 30.2°±1.5°
	Steering wheel diameter		mm (in)	385 (15.16)
	Overall gear ratio (Turns, lock to lock)			19.0 (3.4)
Gearbox	Type			Rack and pinion, Integral
	Backlash			0 (Automatically adjustable)
	Valve (Power steering system)			Rotary valve
Pump (Power steering system)	Type			Vane pump
	Oil tank			Installed on pump
	Output		cm ³ (cu in)/rev.	7.2 — 0.6 (0.439 — 0.037)
	Relief pressure		kPa (kg/cm ² , psi)	7,355 (75, 1,067)
	Hydraulic fluid control			Drooping in response to increased engine revolutions
	Hydraulic fluid		ℓ (US qt, Imp qt)	1,000 rpm: 7 (7.4, 6.2) 3,000 rpm: 5 (5.3, 4.4)
	Range of revolution		rpm	500 — 7,500
Working fluid (Power steering system)	Name			ATF DEXRON IIE or III
	Capacity	Oil tank	ℓ (US qt, Imp qt)	0.3 (0.3, 0.3)
		Total	ℓ (US qt, Imp qt)	0.7 (0.7, 0.6)
	Revolving direction			Clockwise

B: SERVICE DATA

Steering wheel	Free play		mm (in)	17 (0.67)
Turning angle	Inner tire & wheel			34.4°±1.5°
	Outer tire & wheel			30.2°±1.5°
Steering shaft	Clearance between steering wheel and column cover		mm (in)	3.0 (0.118)
Steering gearbox (Power steering system)	Sliding resistance		N (kg, lb)	304.0 (31.0, 68.4) or less
	Rack shaft play in radial direction	Right-turn steering	mm (in)	0.15 (0.0059) or less
		Left-turn steering	mm (in)	Horizontal movement: 0.3 (0.012) or less Vertical movement: 0.15 (0.0059) or less
	Input shaft play	In radial direction	mm (in)	0.18 (0.0071) or less
		In axial direction	mm (in)	0.1 (0.004) or less
Turning resistance		N (kg, lb)	Within 30 mm (1.18 in) from rack center in straight ahead position: Less than 11.18 (1.14, 2.51) Maximum allowable value: 12.7 (1.3, 2.9)	
Oil pump (Power steering system)	Pulley shaft	Radial play	mm (in)	0.4 (0.016) or less
		Axial play	mm (in)	0.9 (0.035) or less
	Pulley	Ditch deflection	mm (in)	1.0 (0.039) or less
		Resistance to rotation	N (kg, lb)	9.22 (0.94, 2.07) or less
	Regular pressure		kPa (kg/cm ² , psi)	981 (10, 142) or less
Relief pressure		kPa (kg/cm ² , psi)	7,355 (75, 1,067)	
Steering wheel effort (Power steering system)	At standstill with engine idling on a concrete road		N (kg, lb)	29.4 (3.0, 6.6) or less
	At standstill with engine stalled on a concrete road		N (kg, lb)	294.2 (30, 66.2) or less

**C: RECOMMENDED POWER
STEERING FLUID**

Recommended power steering fluid	Manufacturer
ATF DEXRON IIE or III	B.P.
	CALTEX
	CASTROL
	MOBIL
	SHELL
	TEXACO

MEMO: