

1. Steering System

A: SPECIFICATIONS

Whole system	Minimum turning radius	m (ft)	5.3 (17.4)
	Steering angle (Inside-Outside)		37.6° — 32.6°
	Steering wheel diameter	mm (in)	385 (15.16)
	Overall gear ratio (Turns, lock to lock)		16.5 (3.2)
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 (0.439)
	Relief pressure	kPa (kg/cm ² , psi)	7,355 (75, 1,067)
	Hydraulic fluid control		Dropping 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
	Revolving direction		Clockwise
Working fluid (Power steering system)	Name		ATF DEXRON II or IIE
	Capacity	Oil tank ℓ (US qt, Imp qt) Total	0.35 (0.4, 0.3) 0.7 (0.7, 0.6)

B: SERVICE DATA

Steering wheel	Free play	mm (in)	17 (0.67)
Turning angle	Inner tire & wheel		37.6°
	Outer tire & wheel		32.6°
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)	240.3 (24.5, 54.0) or less
	Rack shaft play in radial direction	mm (in)	0.15 (0.0059) or less
	Right-turn steering Left-turn steering		Horizontal movement: 0.3 (0.012) or less Vertical movement: 0.15 (0.0059) or less
	Input shaft play In radial direction In axial direction	mm (in)	0.18 (0.0071) or less 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	mm (in)	
	Radial play		0.4 (0.016) or less
	Axial play		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)	31.4 (3.2, 7.1) or less
	At standstill with engine stalled on a concrete road	N (kg, lb)	147 (15, 33) or less

C: RECOMMENDED POWER STEERING FLUID

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