

## 1. Steering System

## A: SPECIFICATIONS

		Except OUTBACK model	OUTBACK model
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 <sup>3</sup> (cu in)/rev.	7.2 (0.439)
	Relief pressure	kPa (kg/cm <sup>2</sup> , 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, IIE or III	
	Capacity	Oil tank ℓ (US qt, Imp qt) Total	0.35 (0.4, 0.3) 0.7 (0.7, 0.6)

**B: SERVICE DATA**

		Except OUTBACK model	OUTBACK model
Steering wheel	Free play mm (in)	17 (0.67)	
Turning angle	Inner tire & wheel	37.6°	34.4°
	Outer tire & wheel	32.6°	30.2°
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	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 Radial play Axial play	0.4 (0.016) or less 0.9 (0.035) or less	
	Pulley Ditch deflection Resistance to rotation	1.0 (0.039) or less 9.22 (0.94, 2.07) or less	
	Regular pressure kPa (kg/cm <sup>2</sup> , psi)	981 (10, 142) or less	
	Relief pressure kPa (kg/cm <sup>2</sup> , 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, ATF DEXRON IIE or ATF DEXRON III	B.P.
	CALTEX
	CASTROL
	MOBIL
	SHELL
	TEXACO