1. Steering System

A: SPECIFICATIONS

		Except OUTBACK model	OUTBACK model
Whole system	Minimum turning radius m (ft)	5.3 (17.4)	5.6 (18.4)
	Steering angle (Inside-Outside)	37.6° — 32.6°	34.4° — 30.2°
	Steering wheel diameter mm (in)	385 (15.16)	
	Overall gear ratio (Turns, lock to lock)	16.5 (3.2)	19 (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 (0.439)	
	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, 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) Right-turn steering Left-turn steering	0.15 (0.0059) or less Horizontal movement: 0.3 (0.012) or less Vertical movement: 0.15 (0.0059) or less	
	Input shaft play mm (in) 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 mm (in) Radial play Axial play	0.4 (0.016) or less 0.9 (0.035) or less	
	Pulley Ditch deflection mm (in) Resistance to rotation N (kg, lb)	1.0 (0.039) or less 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, ATF DEXRON IIE or ATF DEXRON III	B.P.
	CALTEX
	CASTROL
	MOBIL
	SHELL
	TEXACO