1. Steering System

A: SPECIFICATIONS

		Except OUTBACK model	OUTBACK model
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)
Туре		Rack and pinion, Integral	
Backlash		0 (Automatically adjustable)	
Valve (Power steering system)		Rotary valve	
Туре		Vane pump	
Oil tank		Installed on pump	
Output cm3 (cu in)/rev.		7.2 (0.439)	
Relief pressure kPa (kg/cm², 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	
Name		ATF DEXRON II, IIE or III	
Capacity	Oil tank ℓ (US qt, Imp qt)	0.35 (0.4, 0.3)	
	Total	0.7 (0.7, 0.6)	
	Steering angl Steering when Overall gear of Type Backlash Valve (Power Type Oil tank Output cm ³ Relief pressur Hydraulic fluid Hydraulic fluid Range of revo Revolving dire Name	Steering angle (Inside-Outside) Steering wheel diameter mm (in) Overall gear ratio (Turns, lock to lock) Type Backlash Valve (Power steering system) Type Oil tank Output cm³ (cu in)/rev. Relief pressure kPa (kg/cm², psi) Hydraulic fluid control Hydraulic fluid ℓ (US qt, Imp qt) Range of revolution rpm Revolving direction Name Oil tank ℓ (US qt, Imp qt)	Minimum turning radiusm (ft)5.3 (17.4)Steering angle (Inside-Outside)37.6° − 32.6°Steering wheel diametermm (in)385 (7Overall gear ratio (Turns, lock to lock)16.5 (3.2)TypeRack and ping Backlash0 (Automatical Valve (Power steering system)Valve (Power steering system)Rotary Vane Oil tankInstalled Installed Installed Output cm³ (cu in)/rev.Oil tankT.2 (0Relief pressurekPa (kg/cm², psi)7,355 (7Hydraulic fluid controlDropping in response to in 1,000 rpm: 3,000 rpm: 3,000 rpm: Range of revolution rpm500 − Revolving directionRevolving directionClock NameATF DEXROOil tank ℓ (US qt, Imp qt)0.35 (0

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	Horizontal movement: 0.3 (0.012) or less	
		Left-turn steering	Vertical movement: 0.15 (0.0059) or less	
	Input shaft play mm (in)	In radial direction	0.18 (0.0071) or less	
		In axial direction	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 deflec- tion 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/cm², psi)		981 (10, 142) or less	
	Relief pressure kPa (kg/cm², 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	

SPECIFICATIONS AND SERVICE DATA

C: RECOMMENDED POWER STEERING FLUID

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