



Iss 18/02/2000

4 speed rear wheel drive, with lock up.
 BMW, Vauxhall & Opel Senator & Carlton 1990 -
 This is similar to the TH180 with the addition of a front overdrive
 unit. There are two separate oil pans.

**GENERAL MOTORS
 4L30E (AR25/35)**

Illus	Description	Year	Part No.	Illus	Description	Year	Part No.
	KITS				FILTER		
	Master		209 01 01		Main pick up for Vauxhall		209 27 01
	Overhaul		209 02 01		Main pick up BMW, Isuzu & Monteray		
	Overhaul (BMW)		209 02 02		(33mm deep including pick up)		209 27 03
	Gasket & rubber		209 03 01		Valve body filter		209 27 02
	Shaft sealing ring		209 06 01				
	GASKETS				BUSHES & BEARINGS		
	Front pan - all		209 25 01		Bush kit 7 pcs		209 09 01
	Rear pan - BMW		209 25 03				
	Rear pan - Vauxhall		209 25 02		THRUST WASHERS		
	Pump to internal housing		209 25 04		Pump		120 22 13
	Extension housing to case		209 25 05		Race 4th clutch		209 23 01
	Inter carrier plate (from trans 80280-90)	(2)	209 25 06		Needle gearset to ring gear bridge clutch		209 23 02
	Front valve body upper		209 25 07		Washer ring gear rear Bridge clutch		209 22 01
	Front valve body lower		209 25 08		Washer centre support selective 1.53 to 1.63		120 22 11
	Rear valve body upper		209 25 09		Washer centre support selective 1.72 to 1.82		120 22 12
	Rear valve body lower		209 25 10		Washer centre support selective 1.91 to 2.01		120 22 13
	Servo cover reinforced		209 25 11		Washer centre support selective 2.10 to 2.20		120 22 14
					Washer centre support selective 2.29 to 2.39		120 22 15
					Washer centre support selective 2.48 to 2.58		120 22 16
	RUBBER COMPONENTS				Washer reverse clutch selective		209 22 02
	Case to case square sect seal		120 17 01		Washer reverse clutch selective		209 22 03
	Pump to converter housing square sect seal		120 17 01		Washer reverse clutch selective		209 22 04
	Case to case "O" ring		209 16 01		Washer reverse clutch selective		209 22 05
	Output flange "O" ring		209 16 02		Washer reverse clutch selective		209 22 06
	Input shaft lock up "O" ring		209 16 03				
					Washer 3rd speed clutch		209 22 07
	4th speed outer lip seal		209 18 01		Race 3rd speed clutch		209 23 03
	4th speed square sect seal		209 17 01		Washer 2nd to 3rd steel		120 22 01
	Bridge clutch outer lip seal		209 18 02		Washer 2nd to 3rd bronze		120 22 02
	Bridge clutch inner lip seal		209 18 03		Needle sun gear front & thrust plate (set)		209 23 04
					Needle sun gear rear		209 22 05
	Reverse clutch outer square sect seal		120 17 02		Washer sun gear rear		209 22 08
	Reverse clutch inner square sect seal		120 17 03		Needle set reaction sun gear	(2)	209 23 06
	Intermediate clutch outer lip seal		120 18 01				
	Intermediate clutch inner lip seal		120 18 03		CIRCLIPS		
					Sprag clutch retainer	08634274	209 32 01
	3rd speed clutch outer lip seal		120 18 02		Bridge clutch spring retainer	08634056	209 32 02
	3rd speed clutch inner lip seal		120 18 04		Bridge clutch retainer	08634023	209 32 03
	Speed sensor "O" ring		209 16 04		Overdrive gearset to Bridge clutch	96014389	209 32 04
	Accumulator "O" ring large	(2)	209 16 05				
	Accumulator "O" ring small		209 16 06		HARD PARTS		
	Filler tube grommet lower		120 19 01		Centre support		209 43 01
	Filler tube "O" ring upper		209 16 07		Intermediate wear plate kit (inc gaskets)		209 29 01
					Oil pump		209 38 01
	METAL CLAD SEALS				Oil pump wear plate		209 38 02
	Converter housing		209 15 01		Drive shaft		209 29 02
	Extension housing		209 15 02				
	Selector shaft		209 15 03		Drive shaft non return valve		209 29 03
	SHAFT SEALING RINGS				Bridge clutch housing		209 29 04
	Input shaft	(3)	209 26 01		Bridge clutch piston		209 45 01
	2nd clutch	(2)	209 26 02		Overdrive one way clutch		209 44 01
	Governor	(1)	120 26 04		Overdrive one way clutch hub		209 29 05
	Low servo piston	(1)	120 26 03				
	CLUTCH PLATES				Input sun gear		209 29 06
	4th speed brake friction 170 x 2.2 x 36T	(3)	209 11 01		Overdrive gearset		209 66 01
	4th speed brake steel 170 x 2.0x 7T	(4)	209 12 01		Overdrive rearsset ring gear		209 29 07
					Sun gear		209 65 01
	Bridge clutch friction overrun 130 x 2.2 x 40T	(2)	209 11 02		OWC		120 44 01
	Bridge clutch steel overrun 130 x 2.0 x 36T	(2)	209 12 02		3rd gear sun & OWC inner		209 29 08
	Bridge clutch wavy overrun 130 x 1.4 x 3T	(1)	209 12 03				
	Bridge clutch pressure overrun	(1)	120 13 07		ELECTRICAL		
					Solenoid valve 1st to 2nd, and 3rd to 4th		209 35 01
	Reverse clutch friction 163 x 2.5 x 36T	(4)	120 11 01		Solenoid valve 2nd to 3rd		209 35 02
	Reverse clutch steel 163 x 2.0 x 7T	(5)	120 12 01		Solenoid valve pressure control		209 35 03
	Reverse clutch wavy	(1)	209 12 04		Solenoid valve lock up clutch		209 35 04
					Solenoid rear band apply		209 35 05
	2nd clutch friction 132 x 2.5 x 30T	(5)	120 11 02		Connector front AR25/35		209 35 06
	2nd clutch steel 132 x 2.0 x 36T	(6)	120 12 03		Connector block rear AR25		209 35 07
	2nd clutch wavy	(1)	209 12 05				
	3rd clutch friction 97 x 2.5 x 12T	(4)	209 11 03				
	3rd clutch friction 97 x 2.5 x 12T	(1)	209 11 04				
	3rd clutch steel 98 x 2.0 x 29T	(5)	120 12 05				
	3rd clutch wavy	(1)	209 12 06				
	BRAKE BANDS						
	Low band		120 14 01				

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Illus	Description	Year	Part No.	Illus	Description	Year	Part No.
	TORQUE CONVERTERS						
	Carlton 2.0, 2.4, & Senator 2.6		SJLR-SJAR				209 30 01
	Carl. & Sen. 3.0 (30NE & C30NE)		SE9R				209 30 02
	Carl. & Sen. 3.0 (C30SE)		SG9R-SGLR				209 30 03
	Omega 2.0 litre (BB)		SJHR				209 30 05
	Omega 2.5 litre (BD)		SEHR				209 30 06
	Omega 2.5 diesel		SGHS				209 30 04
	TOOLS						
	Manual						209 33 20
	Rear of case seal installer						209 33 01