

TF-80SC (AF40), TF-81SC (AF21) 6 Speed FWD (Electronic Control) (Peugeot, Citroen, Ford, Volvo, Mazda, Opel, Vauxhall, Saab, Cadillac, Fiat, Renault, Alfa & Land Rover)

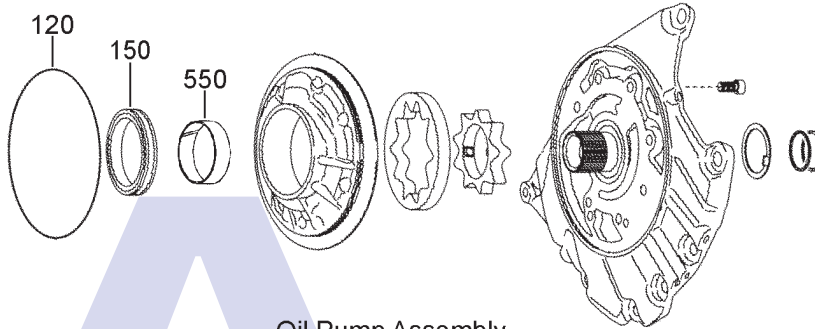


AUTOMATIC CHOICE



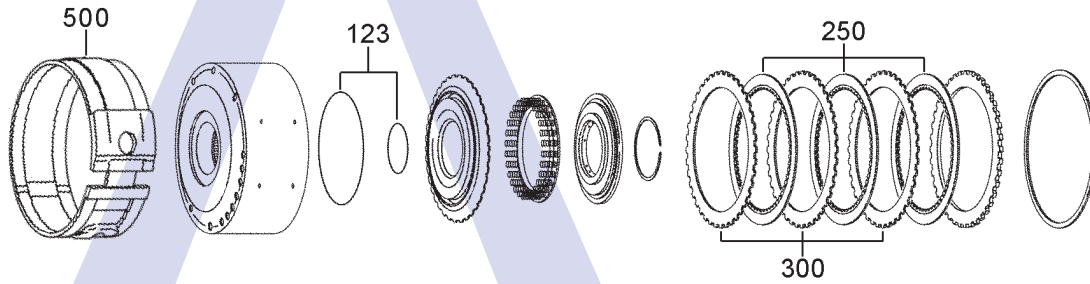
THE AUTOMATIC TRANSMISSION PARTS WAREHOUSE

A



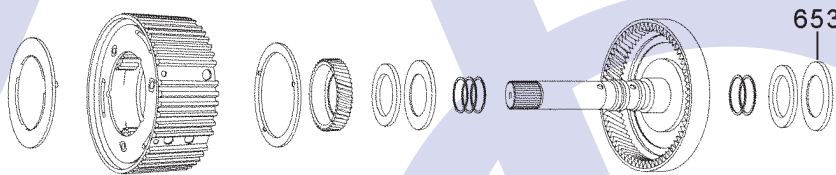
Oil Pump Assembly

B



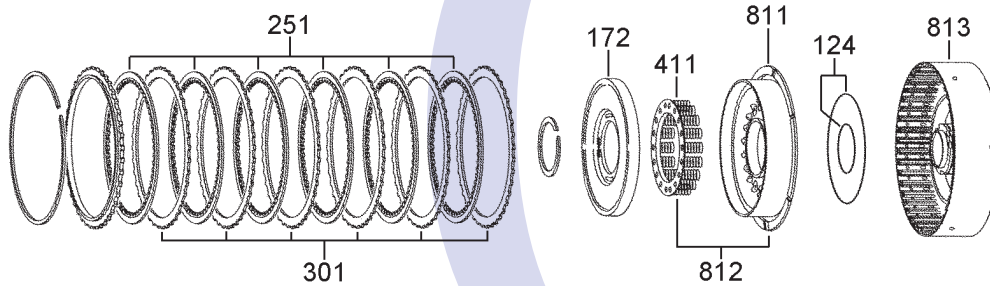
'C3' Clutch Assembly

C



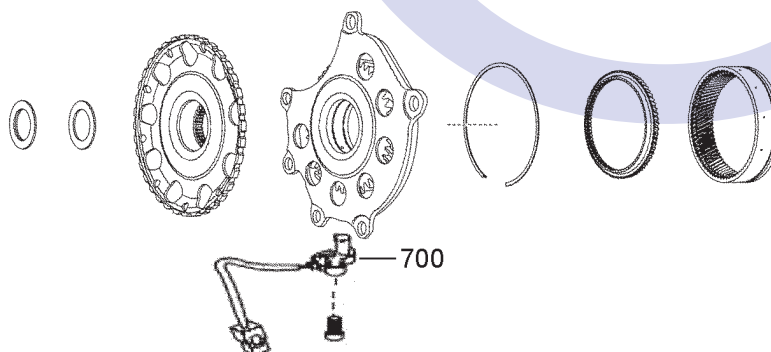
Front Planetary Assembly

D



'C1' Clutch Assembly

E



Counter Drive Gear Assembly

TF-80SC (AF40), TF-81SC (AF21) 6 Speed FWD (Electronic Control) (Peugeot, Citroen, Ford, Volvo, Mazda, Opel, Vauxhall, Saab, Cadillac, Fiat, Renault, Alfa & Land Rover)

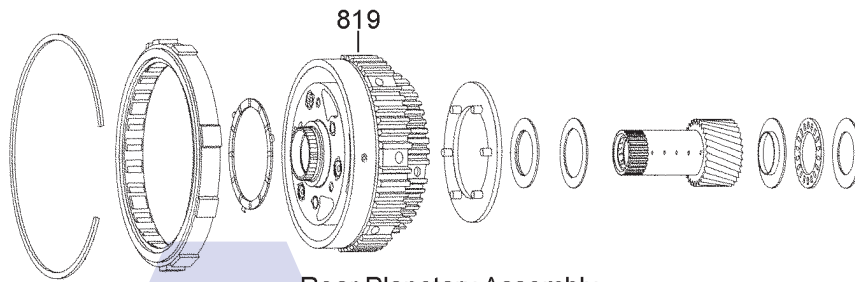


AUTOMATIC CHOICE



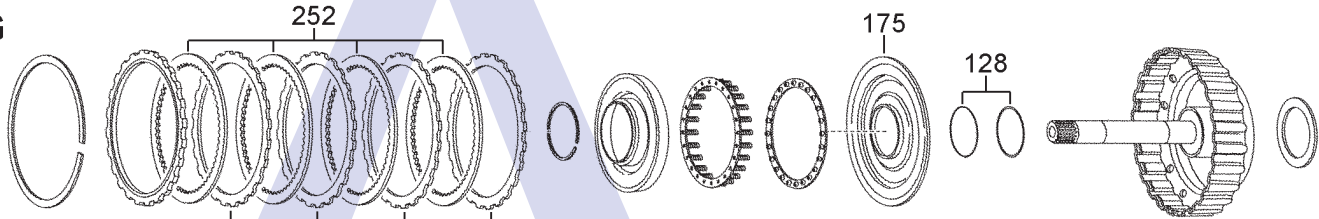
THE AUTOMATIC TRANSMISSION PARTS WAREHOUSE

F



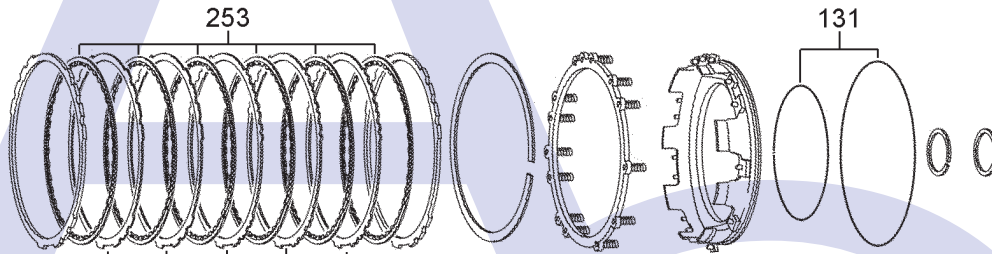
Rear Planetary Assembly

G



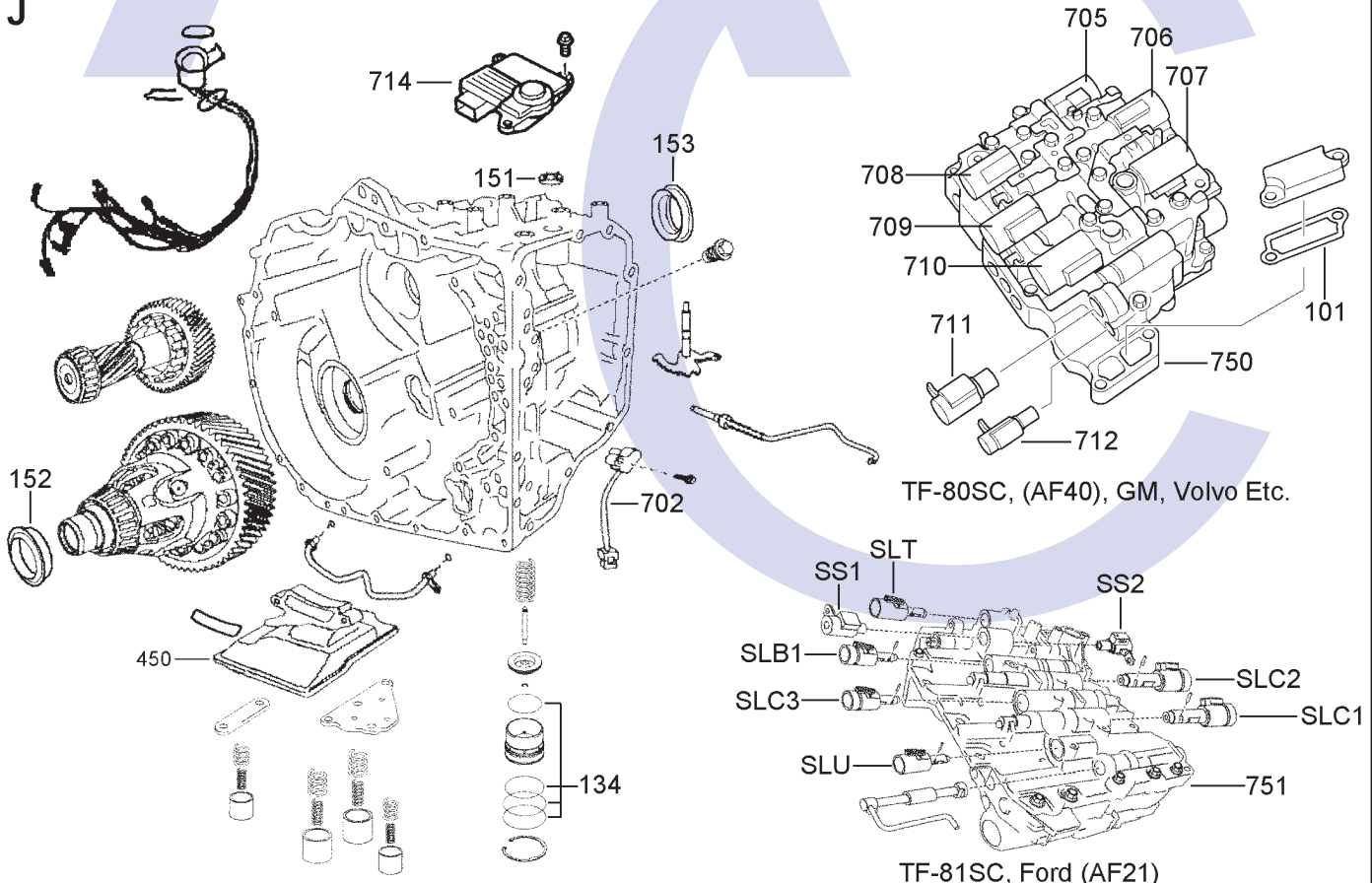
'C2' Clutch Assembly

H



'B2' Brake Assembly

J



TF-80SC, (AF40), GM, Volvo Etc.

TF-81SC, Ford (AF21)

TF-80SC (AF40), TF-81SC (AF21) 6 Speed FWD (Electronic Control)

(Peugeot, Citroen, Ford, Volvo, Mazda, Opel, Vauxhall, Saab, Cadillac, Fiat, Renault, Alfa & Land Rover)



AUTOMATIC CHOICE



THE AUTOMATIC TRANSMISSION PARTS WAREHOUSE

ILL NO.	DESCRIPTION	YEARS	QTY	PART NO
KITS				
Kit	Overhaul Kit TF80-SC Only (Transtec) (GM, Saab, Lancia, Fiat Vauxhall, Opel).....	05-ON	1	AF40.OHK01
Kit	Overhaul Kit TF-81SC, AF21(Transtec) 2005- Ford 500 & Mercury Montego 2006- Ford Fusion, Mercury Milan & Mazda 6 with 3.0Ltr Engines 2006- Lincoln MKZ/Zephyr 2007- Mazda CX-7 & CX-9	05-ON	1	AF40.OHK02
Kit	Overhaul Kit (TF-80SC & TF-81SC) (Precision) (Volvo, Ford, Saab, Lancia, Fiat Peugeot †) (Without Pistons).....	05-ON	1	AF40.OHK51
Kit	Overhaul Kit (TF-80SC & TF-81SC) (Precision) (Volvo, Ford, Saab, Lancia, Fiat Peugeot †) (With Pistons).....	05-ON	1	AF40.OHK52
Kit	Overhaul Kit (TF-81SC, AF21) (Precision) (Without Pistons).....	05-ON	1	AF40.OHK53
Kit	Overhaul Kit (TF-81SC, AF21) (Precision) (With Pistons).....	05-ON	1	AF40.OHK54
Kit	Overhaul Kit AF40/TF80-SC (Transtec) (Volvo, Jaguar, Land Rover)	05-ON	1	AF40.OHK03
Kit	Valve Body Gasket Set (GM, Volvo).....	05-ON	1	AF40.GK01
<p style="color: red;">† To service Citroen/Peugeot Units the Following Items will need to be ordered in Addition to the Overhaul Kit: 1xAF40.MCS07, 1xAF40.MCS08, 1xJF506E.OR03 and 1xJF506E.OR04.</p>				

GASKETS				
101J	Cover Plate, Valve Body	05-ON	1	AF40.GAS03
NI	Valve Body Cover	05-ON	1	AF40.GAS01
NI	Valve Body Cover (Volvo 12 Hole)	05-ON	1	AF40.GAS02

RUBBER COMPONENTS				
120A	'O' Ring, Pump Outer.....	05-ON	1	4HP14.OR11
123B	'O' Ring Kit (Precision) 'C3' Clutch.....	05-ON	1	AF40.ORK02
124D	'O' Ring Kit (Transtec), 'C1' Clutch.....	05-ON	1	AF40.ORK01
124D	'O' Ring Kit (Precision), 'C1' Clutch.....	05-ON	1	AF40.ORK05
128G	'O' Ring Kit (Precision) 'C2' Clutch.....	05-ON	1	AF40.ORK04
131H	'O' Ring Kit (Precision) 'B2' Brake.....	05-ON	1	AF40.ORK06
134J	'O' Ring Kit (Precision) 'B1' Servo Assembly	05-ON	1	AF40.ORK03
NI	Drive Shaft 'O' Ring Left Hand (Freelander)	05-ON	1	AF40.OR02

METAL CLAD SEALS				
150A	Pump to Converter.....	05-ON	1	AF40.MCS01
151J	Manual Shaft Seal.....	05-ON	1	A130.MCS03
152J	Drive Shaft Right Hand (Vauxhall, Opel, Saab).....	05-ON	1	AF40.MCS04
152J	Drive Shaft Right Hand (Citroen, Ford, Peugeot) (38.2mm x 55mm x 13.9mm).....	05-ON	1	AF40.MCS08
152J	Drive Shaft Right Hand (Outer 75.2 x 62 x 8) (Freelander, Volvo 4WD).....	05-ON	1	AF40.MCS09
152J	Drive Shaft Right Hand (Inner) (Freelander 55.5 x 34 x 7mm)..	05-ON	1	AF40.MCS10
152J	Drive Shaft Right Hand (Inner) (Volvo 4WD 45.5 x 34 x 6.8mm).....	05-ON	1	AF40.MCS12

ILL NO.	DESCRIPTION	YEARS	QTY	PART NO
METAL CLAD SEALS Cont...				
152J	Drive Shaft Right Hand (Volvo) (38mm x 75mm x 10/13mm).....	05-ON	1	AF40.MCS05
153J	Drive Shaft Left Hand (Vauxhall, Opel, Saab).....	05-ON	1	AF40.MCS03
153J	Drive Shaft Left Hand (Citroen, Peugeot) (38.8mm x 63mm x 8.6mm).....	05-ON	1	AF40.MCS07
153J	Drive Shaft Left Hand, Freelander/Jaguar (66.35 x 42 x 10.6).....	05-ON	1	AF40.MCS11
153J	Drive Shaft Left Hand (Volvo 4WD 63 x 39 x 8.5 mm) ..	05-ON	1	AF40.MCS13
153J	Drive Shaft Left Hand (Ford, Volvo) (41mm x 66mm x 8.80mm).....	05-ON	1	AF40.MCS06

MOULDED PISTONS				
172D	Damper Piston 'C1' Clutch.....	05-ON	1	AF40.PIS01
175G	Piston 'C2' Clutch (Precision)....	05-ON	1	AF40.PIS05

SEALING RINGS				
Kit	Sealing Ring Kit (Transtec)	05-ON	1	AF40.SRK01
Kit	Sealing Ring Kit (Precision).....	05-ON	1	AF40.SRK03

FRICTION PLATES				
Kit	Friction Plate (AM)	05-ON	1	AF40.FRK01
Kit	Friction Plate (Alto) AF40.....	05-ON	1	AF40.FRK51
Kit	Friction Plate (AM) 6 Cylinder & 4 Cyl Citroen C5... ..	05-ON	1	AF40.FRK02
Kit	Friction Plate (Alto) 6 Cylinder & 4 Cyl Citroen C5... ..	05-ON	1	AF40.FRK52
250B	'C3' Clutch (Reverse, 3rd & 5th) (166mm OD x 1.70mm x 54T) ..	05-ON	4	AF40.FRP03
250B	'C3' Clutch (Reverse, 3rd & 5th) (Alto) (166mm OD x 1.70mm x 54T) ..	05-ON	4	AF40.FRP53
251D	'C1' Clutch (1st, 2nd, 3rd, 4th) (157mm OD x 1.70mm x 54T) ..	05-ON	7	AF40.FRP01
251D	'C1' Clutch (1st, 2nd, 3rd, 4th) (Alto) (157mm OD x 1.70mm x 54T) ..	05-ON	7	AF40.FRP51
251D	'C1' Clutch (1st, 2nd, 3rd, 4th) (Alto Selective) (157mm OD x 1.50mm x 54T) ..	05-ON	AR	AF40.FRP55
252G	'C2' Clutch (4th, 5th, 6th) (160mm OD x 1.70mm x 55T) ..	05-ON	4	AF40.FRP02
252G	'C2' Clutch (4th, 5th, 6th) (Alto) (160mm OD x 1.70mm x 55T) ..	05-ON	4	AF40.FRP52
253H	'B2' Brake (1st, Reverse) (185mm OD x 1.70mm x 60T) ..	05-ON	7	AF40.FRP04
253H	'B2' Brake (1st, Reverse) (Alto) (185mm OD x 1.70mm x 60T) ..	05-ON	7	AF40.FRP54

STEEL PLATES				
Kit	Steel Plate AF40-6.....	05-ON	1	AF40.STK01
300B	'C3' Clutch (Reverse, 3rd & 5th) (141mm ID x 2.31mm x 36T)	05-ON	4	AF40.STP03
301D	'C1' Clutch (1st, 2nd, 3rd, 4th) (141mm ID x 1.80mm x 40T)	05-ON	7	AF40.STP01
302G	'C2' Clutch (4th, 5th, 6th) (143mm ID x 1.80mm x 36T)	05-ON	4	AF40.STP02
303H	'B2' Brake (1st, Reverse) (173mm ID x 1.70mm x 14T)	05-ON	7	AF40.STP04

TF-80SC (AF40), TF-81SC (AF21) 6 Speed FWD (Electronic Control)

(Peugeot, Citroen, Ford, Volvo, Mazda, Opel, Vauxhall, Saab, Cadillac, Fiat, Renault, Alfa & Land Rover)



AUTOMATIC CHOICE



THE AUTOMATIC TRANSMISSION PARTS WAREHOUSE

ILL NO.	DESCRIPTION	YEARS	QTY	PART NO
PRESSURE PLATES				
SPRINGS & CIRCLIPS				
411D	Spring Assy, 'C1' Clutch Piston	05-ON	1	AF40.SPR01
FILTERS				
450J	Pick-Up Filter	05-ON	1	AF40.FIL01
BANDS				
500B	'B1' Brake Band (New Aftermarket)	05-ON	1	AF40.BAN01
BUSHINGS				
Kit	Bushing Kit, (6 Pieces) (Volvo, Ford)	05-ON	1	AF40.BK01
NI	Bushing Kit Installer Tool	05-ON	1	AF40.TOOL04
550A	Converter to Front Pump	05-ON	1	AF40.BUS01
NI	Solenoid Bush	05-ON	AR	09G.BUS03
NI	Servo Pin Bush (Use with AF40.TOOL02)	05-ON	1	AF40.BUS02
THRUST WASHERS & BEARINGS				
653C	Thrust Race, 'C1' Clutch (0.85mm Late Style) This race fits the late style clutch that has a smooth face without castellations. When updating from old style castellated drums this thrust race must also be replaced	05-ON	1	AF40.THW01
ELECTRICAL COMPONENTS				
700E	Speed Sensor, Output (Volvo)	05-ON	1	AF40.ELE04
702J	Speed Sensor, Input (Volvo)	05-ON	1	AF40.ELE03
702J	Speed Sensor, Input Mondeo ... (White Connector)	05-ON	1	AF40.ELE01
705J	Solenoid, SLU Early Type (TF-80SC) No. on sol 13BR7F00823	05-ON	1	AF40.SOL02
705J	Solenoid, SLU Late Type (TF-80SC)	05-ON	1	AF40.SOL08
706J	Solenoid, SLC3 (TF-80SC)	05-ON	1	AF40.SOL05
707J	Solenoid, SLB1 Early Type (TF-80SC) No. on sol 14BP7B02208	05-ON	1	AF40.SOL06
707J	Solenoid, SLB1 Late Type (TF-80SC)	05-ON	1	AF40.SOL07
708J	Solenoid, SLC1 (TF-80SC)	05-ON	1	AF40.SOL03
709J	Solenoid, SLC2 (TF-80SC)	05-ON	1	AF40.SOL04
710J	Solenoid, SLT (TF-80SC)	05-ON	1	AF40.SOL06
711J	Solenoid, SS2 (TF-80SC) (3 Way Type)	05-ON	1	AF40.SOL01
712J	Solenoid, SS1 (TF-80SC) (3 Way Type)	05-ON	1	AF40.SOL01
714J	TCM, Vauxhall/Opel (Gen 1) (Box Code: M36)	05-ON	1	AF40.ELE06
714J	TCM, Vauxhall/Opel (Gen 2) (Box Code: MKD)	05-ON	1	AF40.ELE07

ILL NO.	DESCRIPTION	YEARS	QTY	PART NO
VALVE BODY PARTS				
750J	Valve Body (Vauxhall/Opel, Modified)	05-ON	1	AF40.VB01
750J	Valve Body (TF-80SC New OEM) (Opel, Saab, Volvo, Land Rover)	05-ON	1	AF40.VB02
750J	Valve Body (TF-80SC/TF-81SC Gen 2 OEM) (Ford, Volvo, Click for Application)	11-ON	1	AF40.VB09
750J	AF40-6 II Valve Body (OEM New)	09-ON	1	AF40.VB08
751J	Valve Body (TF-81SC New OEM) (Ford, Volvo, L.Rover, Jaguar)	06-ON	1	AF40.VB06
Kit	Shift Kit, Volvo TF-80SC (TransGo®, Click here for Info)	05-ON	1	AF40.SK01
Kit	C1/K1 Clutch Control Valve (Requires Tool AF40.VA02 & Fixture AG4.VA05) (Sonnax® Click here for Info)	05-ON	1	AF40.VA01
Kit	Tool Kit for AF40.VA01	05-ON	1	AF40.VA02
Kit	C2 Clutch Control Valve (Requires Tool AF40.VA04 & Fixture AG4.VA05) (Sonnax® Click here for Info)	05-ON	1	AF40.VA03
Kit	Tool Kit for AF40.VA03 & VA05	05-ON	1	AF40.VA04
Kit	C3 Clutch Control Valve (Requires Tool AF40.VA04 & Fixture AG4.VA05) (Sonnax® Click here for Info)	05-ON	1	AF40.VA05
Kit	B1 Control Valve (Requires Tool AF40.VA07 & Fixture AG4.VA05) (Sonnax® Click here for Info)	05-ON	1	AF40.VA06
Kit	Tool Kit for AF40.VA06	05-ON	1	AF40.VA07
Kit	Main Pressure Regulator & Boost Assy (Requires Tool AF40.VA09 & Fixture AG4.VA05) (Sonnax® Click here for Info)	05-ON	1	AF40.VA08
Kit	Tool Kit for AF40.VA08	05-ON	1	AF40.VA09
Kit	Lock Up Clutch Control Valve (Requires Tool AF40.VA11 & Fixture AG4.VA05 & Tool AF40.VA17) (Sonnax® Click here for Info)	05-ON	1	AF40.VA10
Kit	Tool Kit for AF40.VA10	05-ON	1	AF40.VA11
NI	Replacement Reamer for AF40.VA11	AR		AF40.VA22
NI	Adaptor Plate for Fixture AG4.VA05 (Use for Installing AF40.VA10)	05-ON	AR	AF40.VA17
Kit	Second Regulator Valve (Requires Tool AF40.VA14 & Fixture AG4.VA05) (Sonnax® Click here for Info)	05-ON	1	AF40.VA13
Kit	Tool Kit for AF40.VA13	05-ON	1	AF40.VA14
Kit	Solenoid Modulator Valve (Requires Tool AF40.VA16 & Fixture AG4.VA05) (Sonnax® Click here for Info)	05-ON	1	AF40.VA15
Kit	Tool Kit for AF40.VA15	05-ON	1	AF40.VA16
Kit	9mm Valve Body End Plug Kit (5 Plugs & 7 'O' Rings) (Sonnax® Click here for Info)	05-ON	AR	AF40.PLU01
Kit	11mm Valve Body End Plug Kit (5 Plugs & 7 'O' Rings) (Sonnax® Click here for Info)	05-ON	AR	AF40.PLU02
NI	Clutch, Band & Line Accumulator Piston (Sonnax® Click here for Info)	05-ON	5	AF40.VA12
NI	Universal Valve Body Fixture (Sonnax® Click here for Info)	05-ON	AR	AG4.VA05
Kit	Accumulator Piston & Sleeve (Sonnax® Click here for Info)	05-ON	AR	AF40.VA20
Kit	Solenoid Modulator Accumulator Piston Kit (TF-81SC Only) (Sonnax® Click here for Info)	05-ON	AR	AF40.VA21
Kit	Spring Adjuster Kit (Sonnax® Click here for Info)	03-ON	1	09G.VA16
Kit	Oversized Two-Spool Relay/Signal Valve (Requires Tool 01J.VA02 & Fixture AG4.VA05) (Sonnax® Click here for Info)	03-ON	1	09G.VA17
Kit	Tool Kit for 09G.VA17	03-ON	1	01J.VA02

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AUTOMATIC CHOICE



THE AUTOMATIC TRANSMISSION PARTS WAREHOUSE

ILL NO.	DESCRIPTION	YEARS	QTY	PART NO
VALVE BODY PARTS Cont...				
Kit	Oversized Three-Spool Relay/Control/Switch Valve (Requires Tool 01J.VA02 & Fixture AG4.VA05) (Sonnax® Click here for Info) ... 03-ON		1	AF40.VA23
Kit	Tool Kit for AF40.VA23	03-ON	1	01J.VA02
Kit	Lockup Clutch Control Plunger Valve (Sonnax® Click here for Info) ... 03-ON		1	AF40.VA25
Kit	Boost Valve Kit (Sonnax® Click here for Info) ... 03-ON		1	AF40.VA26
Kit	Oversized C1/K1 Clutch Control Valve (Requires Tool 09G.VA21 & Fixture AG4.VA05) (Sonnax® Click here for Info) ... 03-ON		1	09G.VA20
Kit	Tool Kit for 09G.VA20.....	03-ON	1	09G.VA21
Kit	Oversized Clutch Cutoff Valve (Requires Tool 09G.VA29 & Fixture AG4.VA05) (Sonnax® Click here for Info) ... 03-ON		1	09G.VA28
Kit	Tool Kit for 09G.VA28.....	03-ON	1	09G.VA29
NI	Solenoid Wire Connector Retainer (Sonnax® Click here for Info) ... 05-ON		AR	5550.RET01

[Click here for complete TF-80SC Sonnax® Valve Body Diagram](#)

[Click here for complete TF-81SC Sonnax® Valve Body Diagram](#)

HARD PARTS				
811D	Piston, 'C1' Clutch (Steel)	05-ON	1	AF40.PIS06
812D	Piston & Retaining Spring Assy (Steel 'C1' Clutch)	05-ON	1	AF40.PIS07
813D	'C1' Clutch Drum New (With Needle Bearing).....	05-ON	1	AF40.DRU10
813D	'C1' Clutch Drum New (7 Plate With Piston, No Fric)....	05-ON	1	AF40.DRU05
813D	'C1' Clutch Drum Exchange (Modified 7 Plate).....	05-ON	1	AF40.DRU02
813D	'C1' Clutch Drum Exchange (6 Plate W.Slots by Bearing)	05-ON	1	AF40.DRU03
813D	'C1' Clutch Drum Exchange (6 Plate W/O Slots by Bearing).	05-ON	1	AF40.DRU04
813D	'C1' Clutch Drum (With Circlip Repair).....	05-ON	1	AF40.DRU31
819F	Planetary Assy, Rear.....	05-ON	1	AF40.PLK03
NI	Shaft, Transmission to Transfer (Volvo 4x4)	05-ON	1	AF40.SH01

SPECIAL ITEMS				
NI	Solenoid Wire Connector Retainer (Sonnax® Click here for Info) ... 05-ON		AR	5550.RET01
NI	Oil Cooler/Heat Exchanger (Peugeot 407)	05-ON	1	AF40.COOL01
Oil	AW-1 Specification ATF Approx Capacity 7.0 Ltr (1 Litre Bottle)	05-ON	AR	AF40.OIL01

TOOLS & MANUALS				
NI	Bushing Kit Installer Tool.....	05-ON	1	AF40.TOOL04

[Click here to view special tools for this transmission](#)