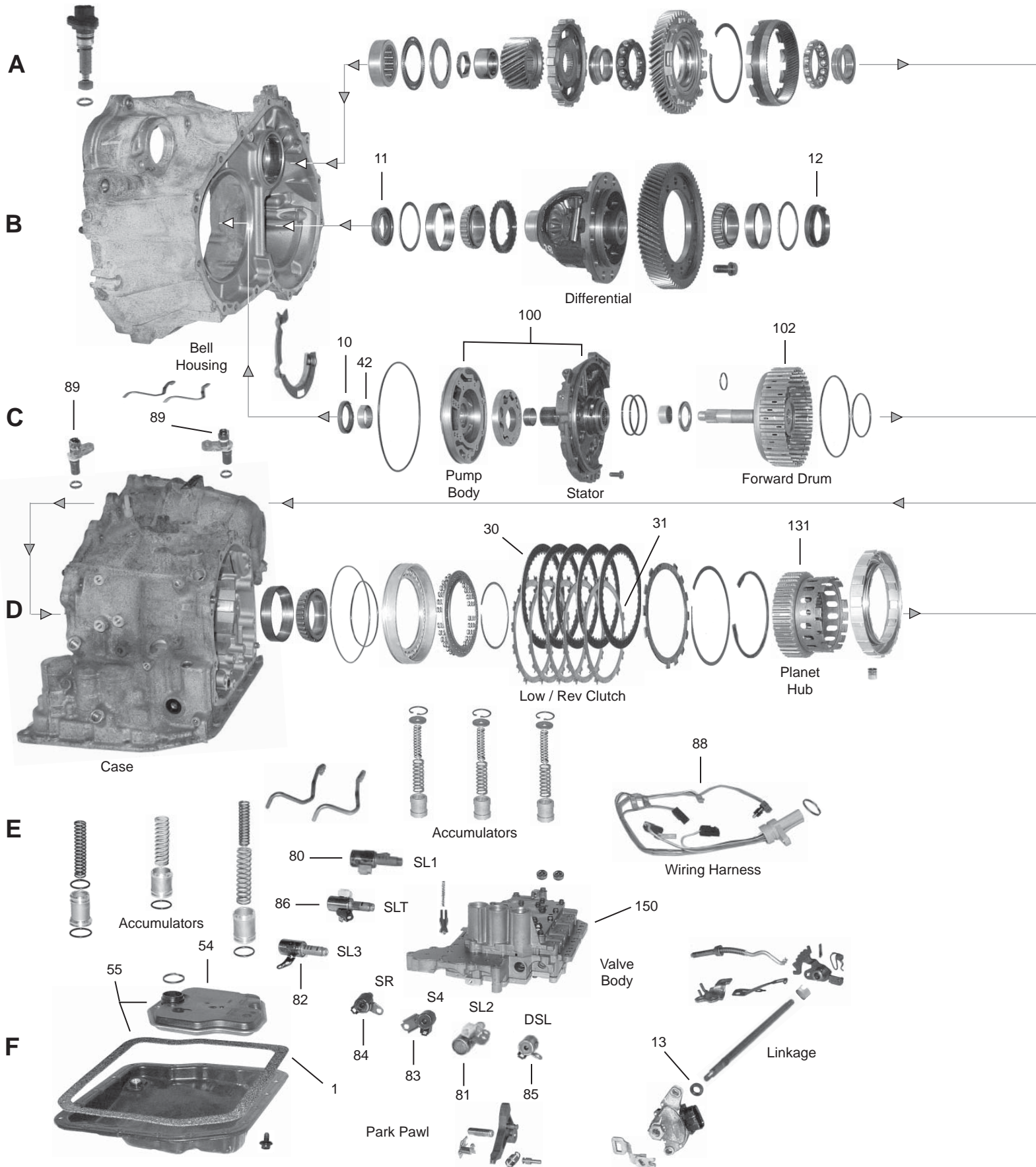
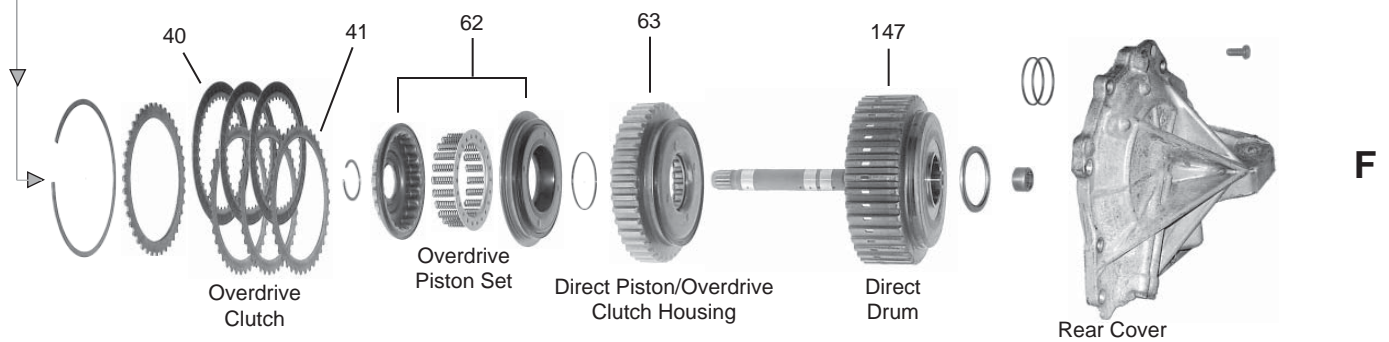
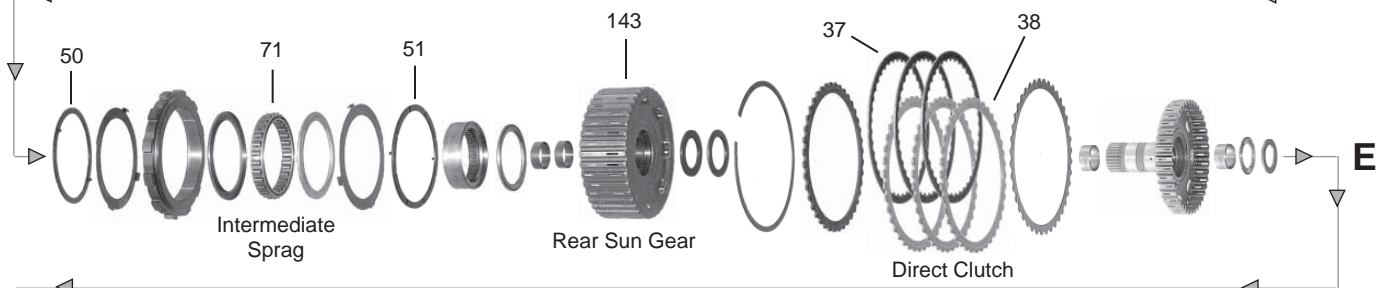
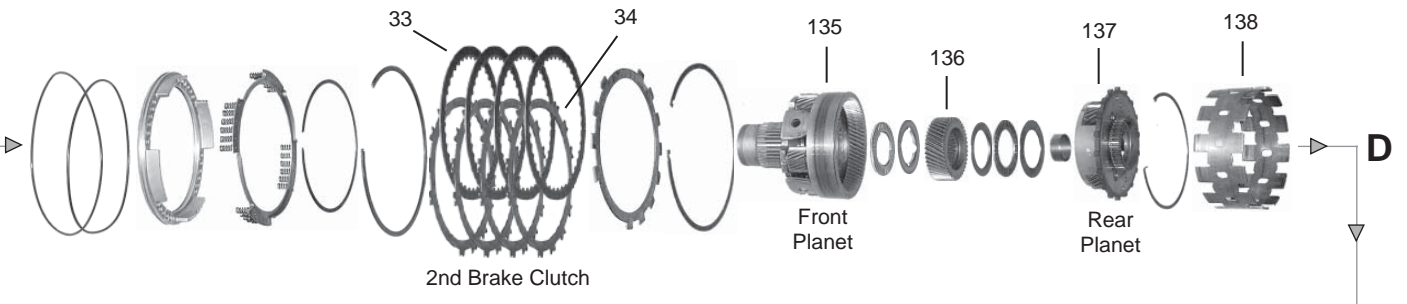
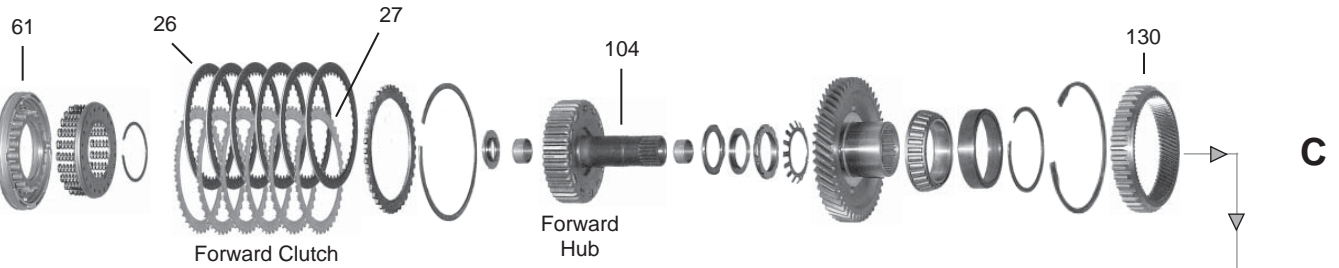
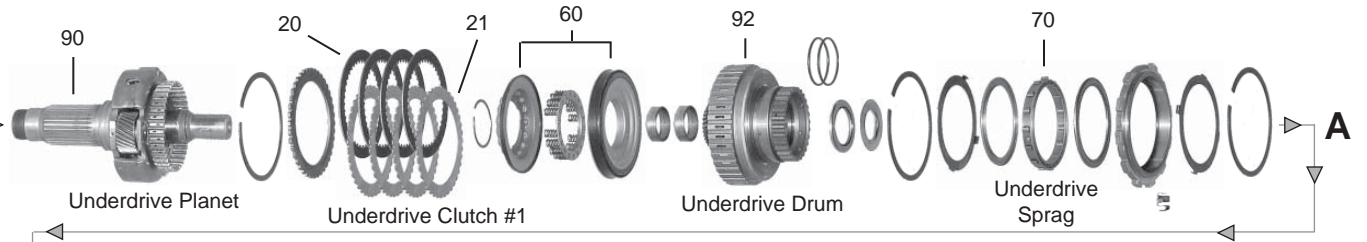


U150E / U151E / U250E

FWD 5 Speed





Toyota U150E, 151E/F, U250E (FWD 5-Speed)

VEHICLE MODEL	YEARS	ENGINE	DRIVE TRAIN	TRANS. TYPE
LEXUS:				
ES300	2002-03	3.0 Litre	FWD	U150E
ES330	2004-06	3.3 Litre	FWD	U151E
RX330	2004-06	3.3 Litre	FWD/4WD	U151E/F
RX350	2007-09	3.5 Litre	FWD/4WD	U151E/F
TOYOTA:				
Avalon	2005-07	3.5 Litre	FWD	U151E
Camry	2003-06	3.0 / 3.3 Litre	FWD	U151E
Camry	2005-11	2.4 Litre	FWD	U250E
Corolla	2008-On	2.4 Litre	FWD	U250E
Highlander	2004-12	3.3 / 3.5 Litre	FWD/4WD	U151E/F
Matrix	2007-10	2.4 Litre	FWD	U250E
Sienna	2004-10	3.3 Litre	FWD/4WD	U151E/F
Solara	2004-08	3.3 Litre	FWD	U151E
Solara	2006-08	2.4 Litre	FWD	U250E
RAV4	2006-12	3.5 Litre	FWD/4WD	U151E/F
RAV4	2008-12	3.5 Litre	FWD	U250E
IIL. NO.	PART NUMBER	PER CAR	DESCRIPTION	YEARS
REBUILDER BOX KITS				
---	K1400E-S ^{1,2}		Master Kit (w/o Steels).....	U150E, U151E2002-On
---	K1400G-S ¹		Master Kit (w/o Steels).....	U250E2005-On
Steel Plate Sub-Kits:				
---	K1400E-9		Steel Plate Kit.....	U150E, U151E2002-On
---	K1400G-9		Steel Plate Kit.....	U250E2002-On
¹ Kits do not include the molded rubber pistons, please order K14900E-4 for U150/1E/F or K14900G-4 for U250E separately. ² Kits do not include axle seals or components for 4WD units, please order K14900T separately.				
OVERHAUL KITS				
---	K14900E ^{1,2}		Overhaul Kit.....	U150E, U151E2002-On
---	K14900G ¹		Overhaul Kit.....	U250E2005-On
---	K14900T		Overhaul Kit (Transfer Case Section)	U151F2002-On
---	K14900E-3		Valve Body Gasket Set.....	All2002-On
GASKET AND RUBBER COMPONENTS				
1F	14170	1	Pan Gasket.....	All2002-On
3B	14100	1	Pump O'Ring.....	All2002-On
METAL CLAD SEALS				
10C	67526V	1	Front Pump (Viton)	All2002-On
11A	83551	1	Right Axle	(2WD) U150E, U151E2002-On
11A	14551	1	Right Axle	(4WD) U151F2002-On
11A	14551A	1	Right Axle	U250E2005-On
12A	83552A	1	Left Axle	U150E, U151E2002-On
12A	14551B	1	Left Axle	U250E2005-On
13F	68504	1	Manual Lever Shaft.....	All2002-On
SEALING RINGS				
---	K14901E	1	Sealing Ring Kit.....	2002-On

Toyota U150E, 151E/F, U250E (FWD 5-Speed)

Toyota U150 / 151 / 250

ILL. NO.	PART NUMBER	PER CAR	DESCRIPTION	YEARS
CLUTCH PLATES				
20A	14308	4	Underdrive # 1 Friction (<i>U150/1E</i>) 40T, .071" - 4.900" O.D.	2002-On
	20A 14308A	3	<i>Underdrive # 1 Friction (U250E) 40T, .073" - 4.500" O.D.</i>	<i>2005-On</i>
21A	14309	4	Underdrive # 1 Steel (<i>U150/1E</i>) 40T, .079" - 3.890" I.D.	2002-On
	21A 14309A	3	<i>Underdrive # 1 Steel (U250E) 40T, .075" - 3.570" I.D.</i>	<i>2005-On</i>
23B	14310	4	Underdrive # 2 Friction (<i>U150/1E</i>) 28T, .071" - 4.630" O.D.	2002-On
	23B 14310A	3	<i>Underdrive # 2 Friction (U250E)..... 28T, .073" - 4.430" O.D.</i>	<i>2005-On</i>
24B	14311	4	Underdrive # 2 Steel (<i>U150/1E</i>) 11T, .071" - 3.660" I.D.	2002-On
	24B 14311A	3	<i>Underdrive # 2 Steel (U250E) 11T, .071" - 3.520" I.D.</i>	<i>2005-On</i>
26C	14304	5-6	Forward Friction 40T, .071" - 5.380" O.D.	2002-On
27C	14305	4-5	Forward Steel 40T, .071" - 4.500" I.D.	2002-On
30D	14321	5-7	1st/Reverse Friction 40T, .071" - 6.700" O.D.	2002-On
31D	14322	5-7	1st/Reverse Steel 12T, .078" - 5.640" I.D.	2002-On
33D	14306	3-4	2nd Brake Friction 40T, .071" - 6.400" O.D.	2002-On
34D	14307	3-4	2nd Brake Steel 12T, .071" - 5.640" I.D.	2002-On
37E	14302E	3-4	Direct Friction 40T, .061" - 6.170" O.D.	2002-On
38E	14303E	3-4	Direct Steel 40T, .071" - 5.530" I.D.	2002-On
40F	14300E	3-4	O/D Direct Friction 40T, .068" 5.950" O.D.	2002-On
41F	14301E	3-4	O/D Direct Steel 40T, .071" - 5.008" I.D.	2002-On
	--- K1400E-F	1	<i>Friction Module (150/1E).....</i>	<i>2002-On</i>
	--- K1400G-F	1	<i>Friction Module (250/1E).....</i>	<i>2005-On</i>
BUSHINGS				
	--- K14980E	1	Bushing Assortment Kit U150/1E.....	2002-On
	--- K14980EY	1	<i>Bushing Assortment Kit (Bronze)..... U150/1E.....</i>	<i>2002-On</i>
	--- K14980G	1	<i>Bushing Assortment Kit U250/1E.....</i>	<i>2005-On</i>
	--- 67005	1	Pump Bushing.....	2002-On
THRUST WASHERS AND BEARINGS				
	--- K14941	1	Thrust Washer and Bearing Kit (Geartrain Area, 14403E Not In Kit) 2002-On	2002-On
50E	14403E	1	Rear Planetary to Sprag Race Washer (3-Tab Plastic) 2002-On	2002-On
51E	14404	1	Sprag Race To Rear Sun Gear Washer (2-Tab Plastic) 2002-On	2002-On
	52E 14429	1	<i>Direct Drum to Rear Cover Bearing.....</i>	<i>2002-On</i>
	53E 14432	1	<i>Rear Cover Bearing (Caged).....</i>	<i>2002-On</i>
TRANSMISSION OIL FILTERS				
54F	14600E³	1	Oil Filter.....	2002-On
55F	ATK-248	1	Oil Filter Kit.....	2002-On
			³ Please See Filter Pictures on Page 13.11-1 for Visual Identification.	
MOLDED RUBBER PISTONS				
	--- K14900E-4		Piston Kit (* not Included) U150E, U151E	2002-On
	--- K14900EC-4BL		<i>Complete Piston Kit (+ Included - HP Blue) U150E, U151E</i>	<i>2002-On</i>
	--- K14900G-4		Piston Kit (* not Included) U250E	2005-On
	--- K14900GC-4BL		<i>Complete Piston Kit (+ Included - HP Blue) U250E</i>	<i>2005-On</i>
60A	K14840	1	Underdrive Piston Set U150E, U151E	2002-On
60A	K14840A	1	Underdrive Piston Set U250E	2005-On
61C	14841E	1	Forward Piston All	2002-On
	61C 14847E	1	<i>Forward Balance Piston</i>	<i>All</i>
	61C 14847E	1	<i>Forward Balance Piston</i>	<i>All</i>
62F	K14844E	1	Overdrive Piston Set All	2002-On
63F	14846E * +	1	Direct Clutch Piston/Overdrive Housing U150/1E.....	2002-On
	63F 14846G * +	1	<i>Direct Clutch Piston/Overdrive Housing U250E</i>	<i>2002-On</i>
SPRAGS				
70A	14813	1	Underdrive Sprag.....	2002-On
71E	14814	1	Intermediate Sprag.....	2002-On

Toyota U150E, 151E/F, U250E (FWD 5-Speed)

ILL. NO.	PART NUMBER	PER CAR	DESCRIPTION	YEARS
SHIFT ENHANCEMENTS				
---	K14944E	1	Shift Kit (TransGo) Corrects/Prevents/Reduces: Shuttle, Bind-up or Flare on 2-3, Slip with Throttle in 3rd and/or 4th and TCC Codes.	2002-On
---	ST14944	1	Shift Correction Package (Superior/TransLab, Valve Body Upgrade Kit)	2002-On
---	U151E-U250E-ZIP		Zip-Kit (Sonnax, Drop-in Components - No Tools Required)	2002-On
---	K14889E	1	Boost Valve Assembly All Addresses: Insufficient Line Rise to Drive Ranges, High Reverse Pressure and Soft Shifts.	2002-On
---	K14887	1	Lockup Control Plunger Valve and Sleeve Kit All Addresses: TCC apply and Release Issues, Converter Codes and Burned Converters.	2002-On
---	K14989E	1	Oversized Pressure Regulator & Boost Valve Kit (Use w/K14589E Tool Kit) Addresses: Soft or Harsh Shifts Caused by Low or High Line Pressure.	2002-On
---	K14886	1	Oversized Secondary Pressure Regulator & Boost Valve Kit (Use w/K14586 Tool Kit) .. Addresses: Converter Apply/Release Problems, Harsh Lock-up. Burned Converters.	2002-On
---	K14885E	1	Solenoid Modulator Valve Kit All Addresses: Harsh/Flare Upshifts, TCC Slip or RPM Cycling and Low Cooler Flow. Use with K14585E Tool Kit.	2002-On
---	K14883E	1	B1 Apply Control Plunger Kit..... All Addresses: B1 Brake/Clutch Failure, 2-3 or 4-3 Bind-up Condition.	2002-On
---	K14884E	1	B2 Apply Control Plunger Kit..... All Addresses: B2 Brake/Clutch Failure, Delayed Reverse & Loss of Engine Braking in Low.	2002-On
---	K14882E	1	Oversized B3 Orifice Control Valve Kit..... All Addresses: Burned UD and B3 Brake, Shift Complaints. Use w/K14582E Tool Kit..	2002-On
---	K14881E	1	Oversized Clutch Apply Control Valve Kit..... All Addresses: Burned Forward, Shift Flairs and Bind-ups. Use w/K14581E Tool kit.	2002-On
---	K14788E	1	Sure-Seal VB End Plug Kit (Superior)	2002-On
---	K14788EW	1	Sure-Seal VB End Plug Kit (Sonnax)	2002-On
			Addresses: OE End Plugs Leak Causing Low Circuit Pressures/Erratic Shifts/Codes.	
---	K14780W	1-3	Accumulator Piston Kit (Sonnax) Enough for 1 Accumulator Bore	2002-On
---	ST14780	1	Accumulator Piston Kit (Superior) Enough for 2 Units	2002-On
			Addresses: Delayed Engagements, Slipping and Burned Clutches.	
ELECTRONIC COMPONENTS				
Note : When ordering a Solenoid, please add the (-R) suffix for a Remanufactured Unit, if Desired.				
80E	14871E	1	Shift Solenoid (SL1) Linear Large Body (1.106" O.D.)	2002-On
80E	14871EB	1	Shift Solenoid (SL1) Linear Small Body (.835" O.D.)	2003-On
81E	14872E	1	Shift Solenoid (SL2) Linear Large Body (1.106" O.D.)	2002-On
81E	14872EB	1	Shift Solenoid (SL2) Linear Small Body (.835" O.D.)	2003-On
82E	14872EA	1	Shift Solenoid (SL3) Linear Large Body (1.106" O.D.)	2002-On
82E	14872EB	1	Shift Solenoid (SL3) Linear Small Body (.835" O.D.)	2003-On
83E	14874E	1	Shift (S4) Solenoid Long Bracket	2002-On
84E	14873E	1	Shift (SR) Solenoid..... Short Bracket	2002-On
85E	14870E	1	TCC (DSL) Solenoid	2002-On
86E	14879E	1	Line Pressure (SLT) Solenoid Large Body (1.106" O.D.)	2002-On
86E	14879EB	1	Line Pressure (SLT) Solenoid Small Body (.835" O.D.), Updated	2003-On
---	K14879E-R	1	Solenoid Kit (Includes Four Large Body Linears - Sol Pro Reman)	2002-On
---	K14879EB-R	1	Solenoid Kit (Includes Four Small Body Linears - Sol Pro Reman)	2003-On
88E	14869E	1	Internal Wiring Harness.....	2003-On
89C	14875E	1-2	Input & Output Speed Sensors.....	2003-On

Toyota U150E, 151E/F, U250E (FWD 5-Speed)

Toyota U150 / 151 / 250

ILL. NO.	PART NUMBER	PER CAR	DESCRIPTION	YEARS
HARD PARTS				
Note : When ordering Hard Parts, please add the appropriate suffix : (-R) Reman, (-U) Used, (-A) Aftermarket.				
90A	14834E	1	Underdrive Planetary (9 1/8" Long)..... <i>U151</i>	2002-On
<i>90A</i>	<i>14834F</i>	<i>1</i>	<i>Underdrive Planetary (9 7/8" Long) U151.....</i>	<i>2002-On</i>
<i>90A</i>	<i>14834G</i>	<i>1</i>	<i>Underdrive Planetary (8 7/8" Long) U250.....</i>	<i>2002-On</i>
92A	14806	1	Underdrive Drum..... <i>U150/1E/F</i>	2002-On
<i>92A</i>	<i>14806A</i>	<i>1</i>	<i>Underdrive Drum U250/1E/F</i>	<i>2005-On</i>
100C	K14895E	1	Pump Assembly (No Crescent, Non Vented, .460" Gears <i>U150 and Some U250</i>)	2002-On
<i>100C</i>	<i>K14895A</i>	<i>1</i>	<i>Pump Assembly (No Crescent, Non Vented, .422" Gears Some U250)</i>	<i>2002-On</i>
102C	14801	1	Forward Drum (6-Clutch)	2002-On
104C	14804	1	Forward Clutch Hub	2002-On
---	K14835E	1	Geartrain (4-Pinion) (Includes ill. # 130, 131, 135, 136, 137, 143)	2002-On
---	K14835EA	1	Geartrain (3-Pinion) (Includes ill. # 130, 131, 135, 136, 137, 143)	2002-On
---	K14941	1	Thrust Washer and Bearing Kit (Geartrain Area)	2002-On
130C	14859	1	Front Ring Gear.....	2002-On
131D	14858	1	Front Planetary Hub.....	2002-On
135D	14833	1	Front Planetary (4-Pinion)	2002-On
135D	14833A	1	Front Planetary (3-Pinion)	2002-On
136D	14860	1	Front Sun Gear.....	2002-On
137D	14831E	1	Rear Planetary (4-Pinion, No Bushing)	2002-On
138D	14810	1	Drive Shell	2002-On
143E	14865E	1	Rear Sun Gear (1 Groove) <i>U151</i>	2002-On
<i>143E</i>	<i>14865G</i>	<i>1</i>	<i>Rear Sun Gear (2 Groove) U250.....</i>	<i>2002-On</i>
147F	14803E	1	Direct Drum	2002-On
150E	70-114	1	Reman Valve Body (Casting #9180, 80020) <i>U150/1E/F</i>	2002-On
150E	70-114B	1	Reman Valve Body (w/Large Body Solenoid) ... <i>U150/1E/F</i>	2002-On
150E	70-114A	1	Reman Valve Body..... <i>U250E, Fixes Harsh 5-4</i>	2005-On