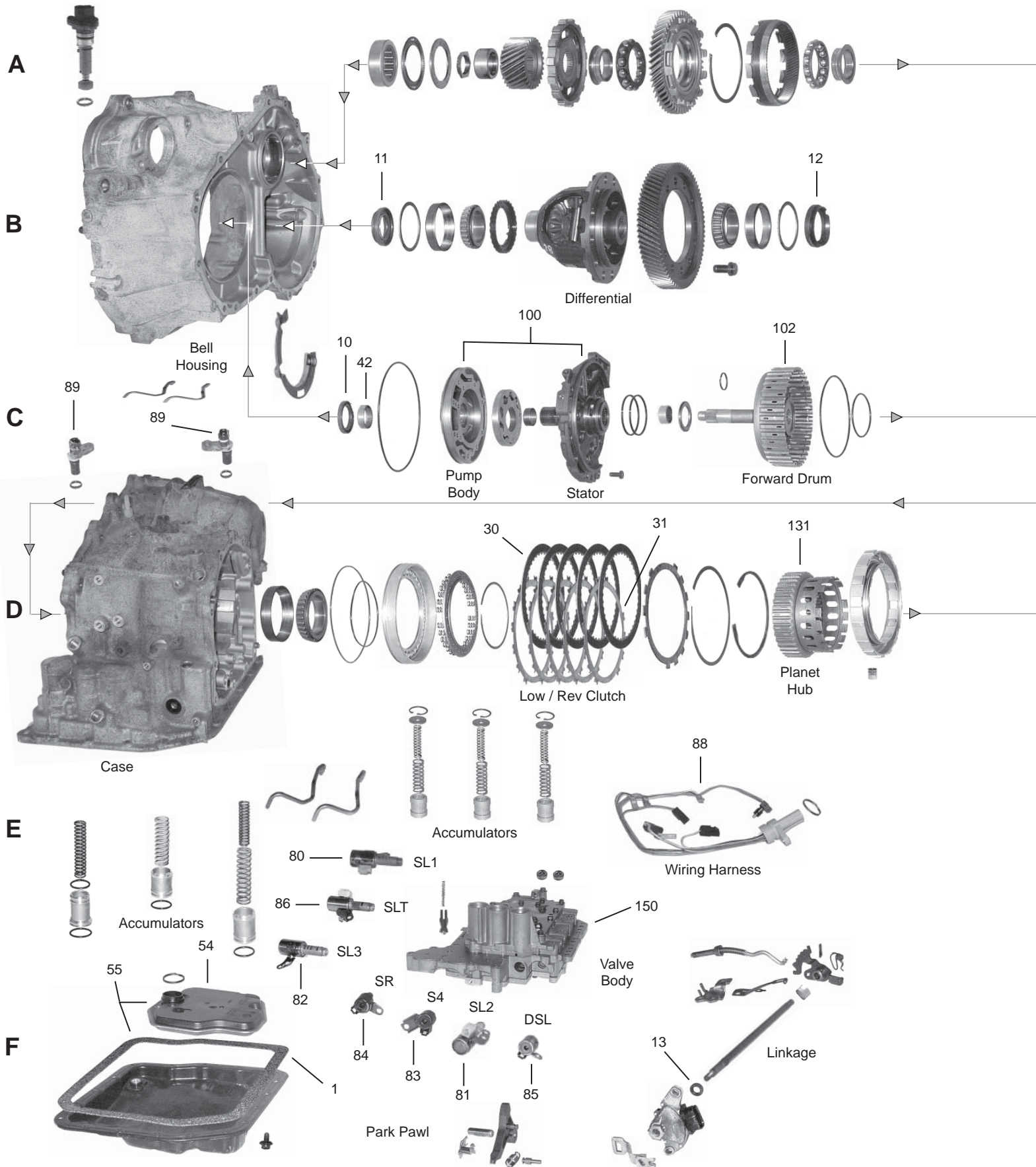
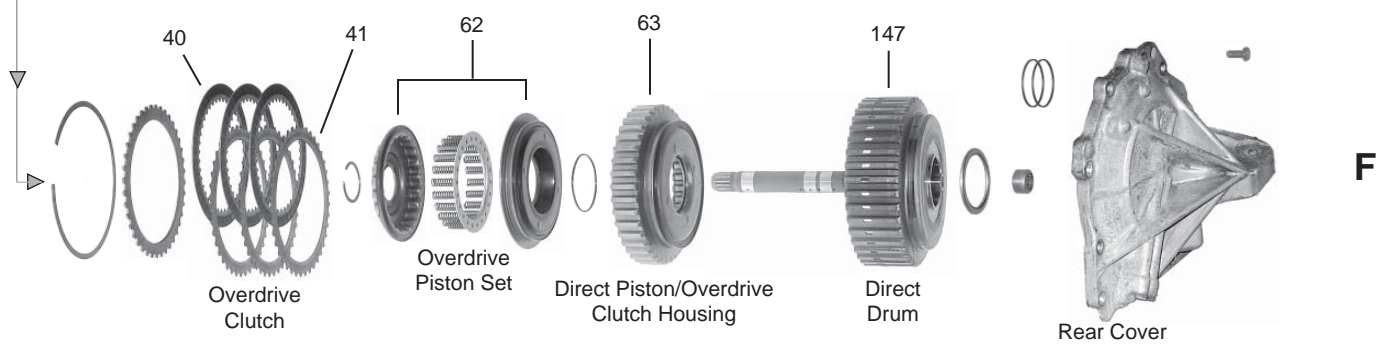
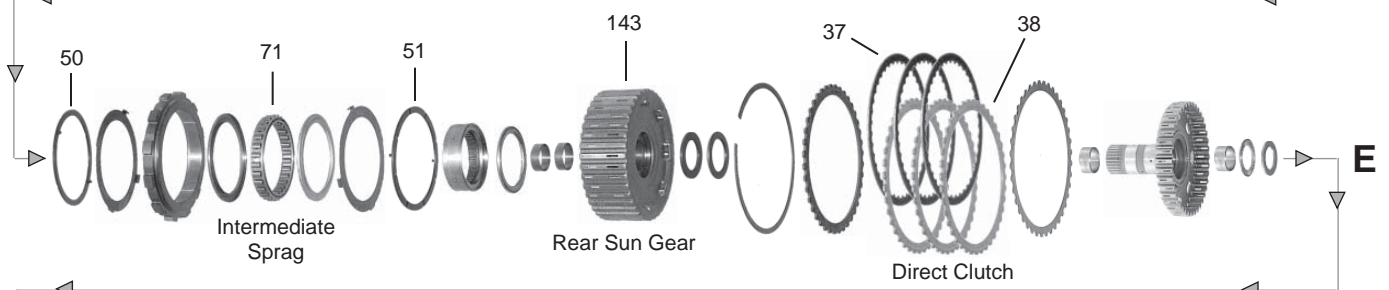
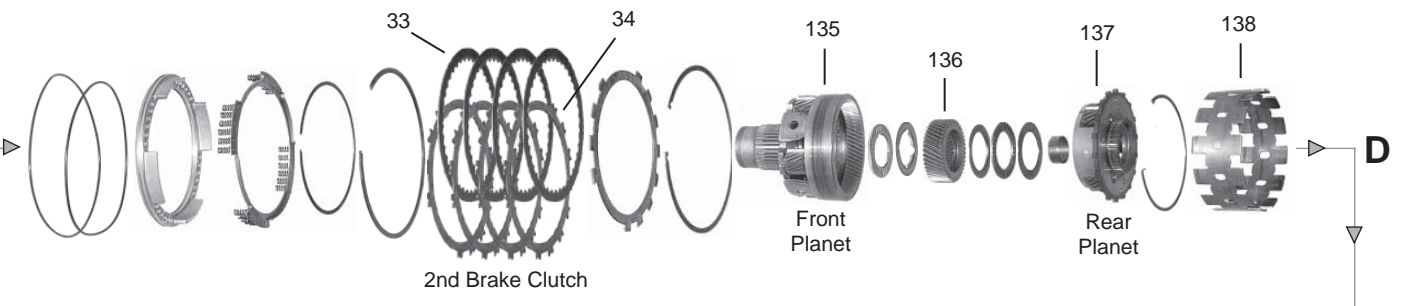
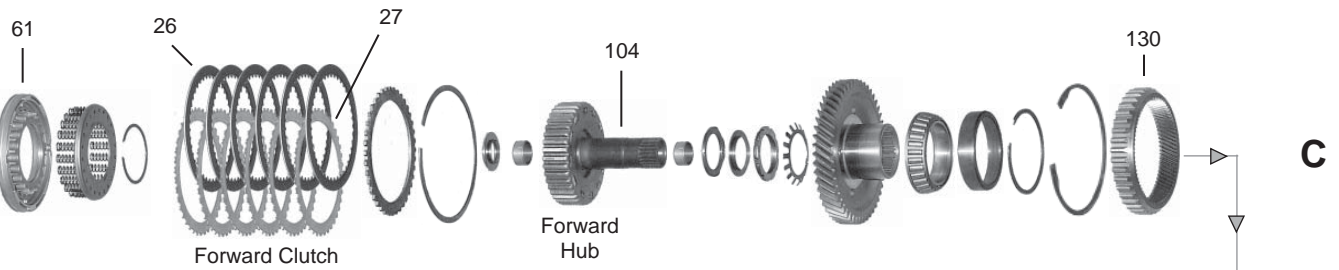
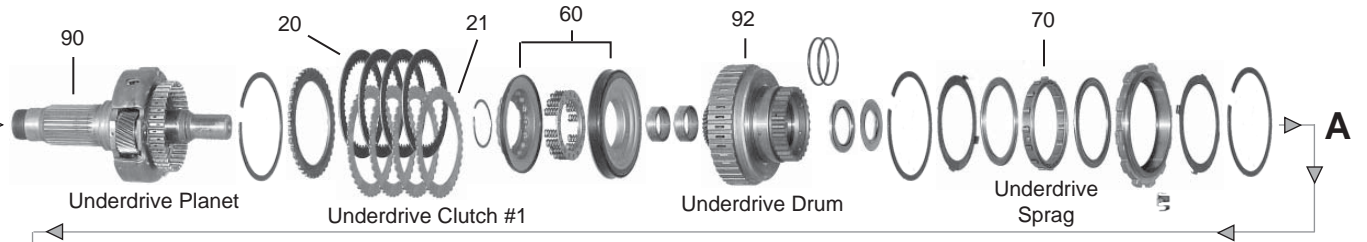


# U150E / U151E / U250E

FWD 5 Speed





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

VEHICLE MODEL	YEARS	ENGINE	DRIVE TRAIN	TRANS. TYPE
<b>LEXUS:</b>				
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
<b>TOYOTA:</b>				
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
III. NO.	PART NUMBER	PER CAR	DESCRIPTION	YEARS
<b>REBUILDER BOX KITS</b>				
---	<b>K1400E-S</b> <sup>1,2</sup>		Master Kit (w/o Steels).....	U150E, U151E .....2002-On
---	<b>K1400G-S</b> <sup>1</sup>		Master Kit (w/o Steels).....	U250E .....2005-On
<b>Steel Plate Sub-Kits:</b>				
---	<b>K1400E-9</b>		Steel Plate Kit.....	U150E, U151E .....2002-On
---	<b>K1400G-9</b>		Steel Plate Kit.....	U250E .....2002-On
<sup>1</sup> Kits <b>do not</b> include the molded rubber pistons, please order <b>K14900E-4</b> for <b>U150/1E/F</b> or <b>K14900G-4</b> for <b>U250E</b> separately. <sup>2</sup> Kits <b>do not</b> include axle seals or components for 4WD units, please order <b>K14900ET</b> separately.				
<b>OVERHAUL KITS</b>				
---	<b>K14900E</b> <sup>1,2</sup>		Overhaul Kit.....	U150E, U151E .....2002-On
---	<b>K14900G</b> <sup>1</sup>		Overhaul Kit.....	U250E .....2005-On
---	<b>K14900T</b>		Overhaul Kit ( <b>Transfer Case Section</b> ) .....	U151F .....2002-On
---	<b>K14900E-3</b>		Valve Body Gasket Set.....	All .....2002-On
<b>GASKET AND RUBBER COMPONENTS</b>				
1F	<b>14170</b>	1	Pan Gasket.....	All .....2002-On
3B	<b>14100</b>	1	Pump O'Ring.....	All .....2002-On
<b>METAL CLAD SEALS</b>				
10C	<b>67526V</b>	1	Front Pump ( <b>Viton</b> ) .....	All .....2002-On
11A	<b>83551</b>	1	Right Axle .....	(2WD) U150E, U151E .....2002-On
11A	<b>14551</b>	1	Right Axle .....	(4WD) U151F .....2002-On
11A	<b>14551A</b>	1	Right Axle .....	U250E .....2005-On
12A	<b>83552A</b>	1	Left Axle .....	U150E, U151E .....2002-On
12A	<b>14551B</b>	1	Left Axle .....	U250E .....2005-On
13F	<b>68504</b>	1	Manual Lever Shaft.....	All .....2002-On
<b>SEALING RINGS</b>				
---	<b>K14901E</b>	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
<b>CLUTCH PLATES</b>				
20A	<b>14308</b>	4	Underdrive # 1 Friction ( <i>U150/1E</i> ) ..... 40T, .071" - 4.900" O.D. ....	2002-On
	<i>20A 14308A</i>	<i>3</i>	<i>Underdrive # 1 Friction (U250E) ..... 40T, .073" - 4.500" O.D. ....</i>	<i>2005-On</i>
21A	<b>14309</b>	4	Underdrive # 1 Steel ( <i>U150/1E</i> ) ..... 40T, .079" - 3.890" I.D. ....	2002-On
	<i>21A 14309A</i>	<i>3</i>	<i>Underdrive # 1 Steel (U250E) ..... 40T, .075" - 3.570" I.D. ....</i>	<i>2005-On</i>
23B	<b>14310</b>	4	Underdrive # 2 Friction ( <i>U150/1E</i> ) ..... 28T, .071" - 4.630" O.D. ....	2002-On
	<i>23B 14310A</i>	<i>3</i>	<i>Underdrive # 2 Friction (U250E)..... 28T, .073" - 4.430" O.D. ....</i>	<i>2005-On</i>
24B	<b>14311</b>	4	Underdrive # 2 Steel ( <i>U150/1E</i> ) ..... 11T, .071" - 3.660" I.D. ....	2002-On
	<i>24B 14311A</i>	<i>3</i>	<i>Underdrive # 2 Steel (U250E) ..... 11T, .071" - 3.520" I.D. ....</i>	<i>2005-On</i>
26C	<b>14304</b>	5-6	Forward Friction ..... 40T, .071" - 5.380" O.D. ....	2002-On
27C	<b>14305</b>	4-5	Forward Steel..... 40T, .071" - 4.500" I.D. ....	2002-On
30D	<b>14321</b>	5-7	1st/Reverse Friction ..... 40T, .071" - 6.700" O.D. ....	2002-On
31D	<b>14322</b>	5-7	1st/Reverse Steel ..... 12T, .078" - 5.640" I.D. ....	2002-On
33D	<b>14306</b>	3-4	2nd Brake Friction ..... 40T, .071" - 6.400" O.D. ....	2002-On
34D	<b>14307</b>	3-4	2nd Brake Steel ..... 12T, .071" - 5.640" I.D. ....	2002-On
37E	<b>14302E</b>	3-4	Direct Friction ..... 40T, .061" - 6.170" O.D. ....	2002-On
38E	<b>14303E</b>	3-4	Direct Steel ..... 40T, .071" - 5.530" I.D. ....	2002-On
40F	<b>14300E</b>	3-4	O/D Direct Friction ..... 40T, .068" 5.950" O.D. ....	2002-On
41F	<b>14301E</b>	3-4	O/D Direct Steel ..... 40T, .071" - 5.008" I.D. ....	2002-On
<b>BUSHINGS</b>				
---	<b>K14980E</b>	1	Bushing Assortment Kit.....	2002-On
	<i>--- K14980EY</i>	<i>1</i>	<i>Bushing Assortment Kit (Omega).....</i>	<i>2002-On</i>
---	<b>67005</b>	1	Pump Bushing.....	2002-On
<b>THRUST WASHERS AND BEARINGS</b>				
---	<b>K14941</b>	1	Thrust Washer and Bearing Kit ( <b>Geartrain Area, 14403E Not In Kit</b> ).....	2002-On
50E	<b>14403E</b>	1	Rear Planetary to Sprag Race Washer ( <b>3-Tab Plastic</b> ).....	2002-On
51E	<b>14404</b>	1	Sprag Race To Rear Sun Gear Washer ( <b>2-Tab Plastic</b> ).....	2002-On
	<i>52E 14429</i>	<i>1</i>	<i>Direct Drum to Rear Cover Bearing.....</i>	<i>2002-On</i>
	<i>53E 14432</i>	<i>1</i>	<i>Rear Cover Bearing (Caged).....</i>	<i>2002-On</i>
<b>TRANSMISSION OIL FILTERS</b>				
54F	<b>14600E<sup>3</sup></b>	1	Oil Filter.....	2002-On
55F	<b>ATK-248</b>	1	Oil Filter Kit.....	2002-On
<sup>3</sup> Please See Filter Pictures on Page 13.11-1 for Visual Identification.				
<b>MOLDED RUBBER PISTONS</b>				
---	<b>K14900E-4</b>	1	Piston Kit ( <b>* not Included</b> ) ..... <b>U150E, U151E</b> .....	2002-On
---	<b>K14900G-4</b>	1	Piston Kit ( <b>* not Included</b> ) ..... <b>U250E</b> .....	2005-On
60A	<b>K14840</b>	1	Underdrive Piston Set ..... <b>U150E, U151E</b> .....	2002-On
60A	<b>K14840A</b>	1	Underdrive Piston Set ..... <b>U250E</b> .....	2005-On
61C	<b>K14841E</b>	1	Forward Piston Set..... <b>All</b> .....	2002-On
62F	<b>K14844E</b>	1	Overdrive Piston Set ..... <b>All</b> .....	2002-On
63F	<b>14846E *</b>	1	Direct Clutch Piston/Overdrive Housing ( <i>not in kits</i> ) .. <b>All</b> .....	2002-On
<b>SPRAGS</b>				
70A	<b>14813</b>	1	Underdrive Sprag.....	2002-On
71E	<b>14814</b>	1	Intermediate Sprag.....	2002-On

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

ILL. NO.	PART NUMBER	PER CAR	DESCRIPTION	YEARS
<b>SHIFT ENHANCEMENTS</b>				
---	<b>K14944E</b>	1	Shift Kit ( <b>TransGo</b> ) ..... <b>Corrects/Prevents/Reduces:</b> Shuttle, Bind-up or Flare on 2-3, Slip with Throttle in 3rd and/or 4th and TCC Codes.	2002-On
---	<b>ST14944</b>	1	Shift Correction Package ( <b>Superior/TransLab, Valve Body Upgrade Kit</b> ) .....	2002-On
---	<b>U151E-U250E-ZIP</b>		Zip-Kit ( <b>Sonnax, Drop-in Components - No Tools Required</b> ) .....	2002-On
---	<b>K14889E</b>	1	Boost Valve Assembly ..... <b>All</b> ..... <b>Addresses:</b> Insufficient Line Rise to Drive Ranges, High Reverse Pressure and Soft Shifts.	2002-On
---	<b>K14887</b>	1	Lockup Control Plunger Valve and Sleeve Kit ..... <b>All</b> ..... <b>Addresses:</b> TCC apply and Release Issues, Converter Codes and Burned Converters.	2002-On
---	<b>K14989E</b>	1	Oversized Pressure Regulator & Boost Valve Kit ( <b>Use w/K14589E Tool Kit</b> ) ..... <b>Addresses:</b> Soft or Harsh Shifts Caused by Low or High Line Pressure.	2002-On
---	<b>K14886</b>	1	Oversized Secondary Pressure Regulator & Boost Valve Kit ( <b>Use w/K14586 Tool Kit</b> ) .. <b>Addresses:</b> Converter Apply/Release Problems, Harsh Lock-up. Burned Converters.	2002-On
---	<b>K14885E</b>	1	Solenoid Modulator Valve Kit ..... <b>All</b> ..... <b>Addresses:</b> Harsh/Flare Upshifts, TCC Slip or RPM Cycling and Low Cooler Flow. Use with K14585E Tool Kit.	2002-On
---	<b>K14883E</b>	1	B1 Apply Control Plunger Kit ..... <b>All</b> ..... <b>Addresses:</b> B1 Brake/Clutch Failure, 2-3 or 4-3 Bind-up Condition.	2002-On
---	<b>K14884E</b>	1	B2 Apply Control Plunger Kit ..... <b>All</b> ..... <b>Addresses:</b> B2 Brake/Clutch Failure, Delayed Reverse & Loss of Engine Braking in Low.	2002-On
---	<b>K14882E</b>	1	Oversized B3 Orifice Control Valve Kit ..... <b>All</b> ..... <b>Addresses:</b> Burned UD and B3 Brake, Shift Complaints. Use w/K14582E Tool Kit..	2002-On
---	<b>K14881E</b>	1	Oversized Clutch Apply Control Valve Kit ..... <b>All</b> ..... <b>Addresses:</b> Burned Forward, Shift Flairs and Bind-ups. Use w/K14581E Tool kit.	2002-On
---	<b>K14788E</b>	1	Sure-Seal VB End Plug Kit ( <b>Superior</b> ) .....	2002-On
---	<b>K14788EW</b>	1	Sure-Seal VB End Plug Kit ( <b>Sonnax</b> ) .....	2002-On
			<b>Addresses:</b> OE End Plugs Leak Causing Low Circuit Pressures/Erratic Shifts/Codes.	
---	<b>K14780W</b>	1-3	Accumulator Piston Kit ( <b>Sonnax</b> ) .... <b>Enough for 1 Accumulator Bore</b> .....	2002-On
---	<b>ST14780</b>	1	Accumulator Piston Kit ( <b>Superior</b> ) ..... <b>Enough for 2 Units</b> .....	2002-On
			<b>Addresses:</b> Delayed Engagements, Slipping and Burned Clutches.	
<b>ELECTRONIC COMPONENTS</b>				
<b>Note : When ordering a Solenoid, please add the (-R) suffix for a Remanufactured Unit, if Desired.</b>				
80E	<b>14871E</b>	1	Shift Solenoid ( <b>SL1</b> ) Linear ..... <b>Large Body (1.106" O.D.)</b> .....	2002-On
80E	<b>14871EB</b>	1	Shift Solenoid ( <b>SL1</b> ) Linear ..... <b>Small Body (.835" O.D.)</b> .....	2003-On
81E	<b>14872E</b>	1	Shift Solenoid ( <b>SL2</b> ) Linear ..... <b>Large Body (1.106" O.D.)</b> .....	2002-On
81E	<b>14872EB</b>	1	Shift Solenoid ( <b>SL2</b> ) Linear ..... <b>Small Body (.835" O.D.)</b> .....	2003-On
82E	<b>14872EA</b>	1	Shift Solenoid ( <b>SL3</b> ) Linear ..... <b>Large Body (1.106" O.D.)</b> .....	2002-On
82E	<b>14872EB</b>	1	Shift Solenoid ( <b>SL3</b> ) Linear ..... <b>Small Body (.835" O.D.)</b> .....	2003-On
83E	<b>14874E</b>	1	Shift ( <b>S4</b> ) Solenoid ..... <b>Long Bracket</b> .....	2002-On
84E	<b>14873E</b>	1	Shift ( <b>SR</b> ) Solenoid ..... <b>Short Bracket</b> .....	2002-On
85E	<b>14870E</b>	1	TCC ( <b>DSL</b> ) Solenoid .....	2002-On
86E	<b>14879E</b>	1	Line Pressure ( <b>SLT</b> ) Solenoid ..... <b>Large Body (1.106" O.D.)</b> .....	2002-On
86E	<b>14879EB</b>	1	Line Pressure ( <b>SLT</b> ) Solenoid ..... <b>Small Body (.835" O.D.), Updated</b> .....	2003-On
---	<b>K14879E-R</b>	1	Solenoid Kit ( <b>Includes Four Large Body Linears - Sol Pro Reman</b> ) .....	2002-On
---	<b>K14879EB-R</b>	1	Solenoid Kit ( <b>Includes Four Small Body Linears - Sol Pro Reman</b> ) .....	2003-On
88E	<b>14869E</b>	1	Internal Wiring Harness.....	2003-On
89C	<b>14875E</b>	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
<b>HARD PARTS</b>				
<b>Note : When ordering Hard Parts, please add the appropriate suffix : (-R) Reman, (-U) Used, (-A) Aftermarket.</b>				
90A	<b>14834E</b>	1	Underdrive Planetary.....	2002-On
92A	<b>14806E</b>	1	Underdrive Drum.....	2002-On
100C	<b>K14895E</b>	1	Pump Assembly (.460" Gears) .....	2002-On
102C	<b>14801</b>	1	Forward Drum (6-Clutch) .....	2002-On
104C	<b>14804</b>	1	Forward Clutch Hub .....	2002-On
---	<b>K14835E</b>	1	Geartrain (4-Pinion) ..... (Includes ill. # 130, 131, 135, 136, 137, 143) .....	2002-On
---	<b>K14835EA</b>	1	Geartrain (3-Pinion) ..... (Includes ill. # 130, 131, 135, 136, 137, 143) .....	2002-On
---	<b>K14941</b>	1	Thrust Washer and Bearing Kit (Geartrain Area) .....	2002-On
130C	<b>14859</b>	1	Front Ring Gear.....	2002-On
131D	<b>14858</b>	1	Front Planetary Hub.....	2002-On
135D	<b>14833</b>	1	Front Planetary (4-Pinion) .....	2002-On
135D	<b>14833A</b>	1	Front Planetary (3-Pinion) .....	2002-On
136D	<b>14860</b>	1	Front Sun Gear.....	2002-On
137D	<b>14831E</b>	1	Rear Planetary (4-Pinion, No Bushing) .....	2002-On
138D	<b>14810</b>	1	Drive Shell .....	2002-On
143E	<b>14865E</b>	1	Rear Sun Gear (1.685 Tall Clutch Hub) .....	2002-On
147F	<b>14803E</b>	1	Direct Drum .....	2002-On
150E	<b>70-114</b>	1	Reman Valve Body (Casting #9180, 80020) .....U150/1E/F .....	2002-On
150E	<b>70-114B</b>	1	Reman Valve Body (w/Large Body Solenoid) ...U150/1E/F .....	2002-On
150E	<b>70-114A</b>	1	Reman Valve Body..... U250E, Fixes Harsh 5-4 .....	2005-On

**Notes:**