

Transmission Type... U151E/U151F/U250

Rebuilder's Kwik Reference Guide



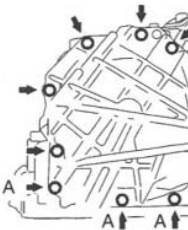
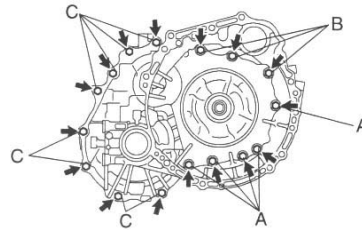
Clearances

Clutch	.033-.049"	Pressure Plate
Brake	.020-.035"	Pressure Plate
Clutch	.020-.032"	Pressure Plate
Case Clutch	.029-.047"	Pressure Plate
Clutch	.023-.032"	Pressure Plate
Clutch	.055-.067"	Pressure Plate
Brake	.064-.086"	Pressure Plate

Adjusted By: Torque Specifications

Bell Housing to Case (Bolt A)	16 Ft.
Bell Housing to Case (Bolt B & C)	22 Ft.
Pump Halves	7 Ft.
Pump to Case	16 Ft.
Valve Body Lower	8 Ft.
Valve Body Upper (6mm Bolts)	58 In.
Valve Body Upper (8mm Bolts)	8 Ft.
Valve Body to Case	8 Ft.
Pan	69 In.
Counter Drive Gear Lock Nut	136-2
Underdrive Planetary Shaft Lock Nut	207 F
End Cover	18 Ft.
End Cover Bolt A	14 Ft.
Differential Ring Gear	71 Ft.

Adjustment



Endplays

	<u>Location</u>	<u>Selective</u>
.011-.042"		Not Adjustable
.008-.035"	OD/Direct Clutch Drum	Bearing
Input Shaft:		
Torque 5-28 In. Lbs.		Not Adjustable
Drive Gear:		
Torque 5-9 In. Lbs.		Not Adjustable
Planetary Gear .050-.030"	On Gear	Bearing Race
Carrier: Rotating Torque:		
Shims 2-9 In. Lbs.	Under Transaxle Case Bearing Race	Shim
Shims 1-4 In. Lbs.	Under Transaxle Case Bearing Race	Shim

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Band and Sprag Application Chart

		OD/Direct Clutch	FWD Clutch	Reverse Clutch	UD Clutch	2nd/OD Brake	Low/Reverse Clutch	UD Brake (Engine Braking in FWD Ranges)	Low Sprag	UD Sprag
		C0	C1	C2	C3	B1	B2	B3	F1	F2
	R							x		
	R			x			x	x		
	N							x		
D	1st		x					x	x	x
	2nd		x			x		x		x
	3rd	x	x					x		x
	4th	x				x		x		x
	5th	x			x	x				

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Solenoid Apply Chart

Level on	Gear	Solenoid					
		S4	SR	DSL	SL1	SL2	S
	Park				○	○	
	Reverse				○	○	
	Neutral				○	○	
e	1st				○	○	
	2nd					○	
	3rd		○	△	○	△	
	4th		○	△		△	
	5th	○	○	△		△	

Solenoid On

Lock-Up On

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Pin and Harness Information



<i>Description</i>	<i>Pin #</i>	<i>Resistance</i>	<i>Wire Colors</i>
<i>TOT Sensor</i>	<i>1 + 7</i>	<i>79-156K Ohms</i>	<i>Orange/Orange</i>
<i>SLT</i>	<i>2 + 8</i>	<i>5.0-5.6 Ohms</i>	<i>Green/Gray</i>
<i>DSL</i>	<i>10 + Ground</i>	<i>11-15 Ohms</i>	<i>Light Blue</i>
<i>SL1</i>	<i>6 + 13</i>	<i>5.1-5.5 Ohms</i>	<i>White/Black</i>
<i>SL2</i>	<i>5 + 12</i>	<i>5.1-5.5 Ohms</i>	<i>Brown/Light Green</i>
<i>SL3</i>	<i>4 + 11</i>	<i>5.0-5.6 Ohms</i>	<i>Blue/Red</i>
<i>S4</i>	<i>3 + Ground</i>	<i>11-15 Ohms</i>	<i>Yellow</i>
<i>SR</i>	<i>9 + Ground</i>	<i>11-15 Ohms</i>	<i>Violet</i>

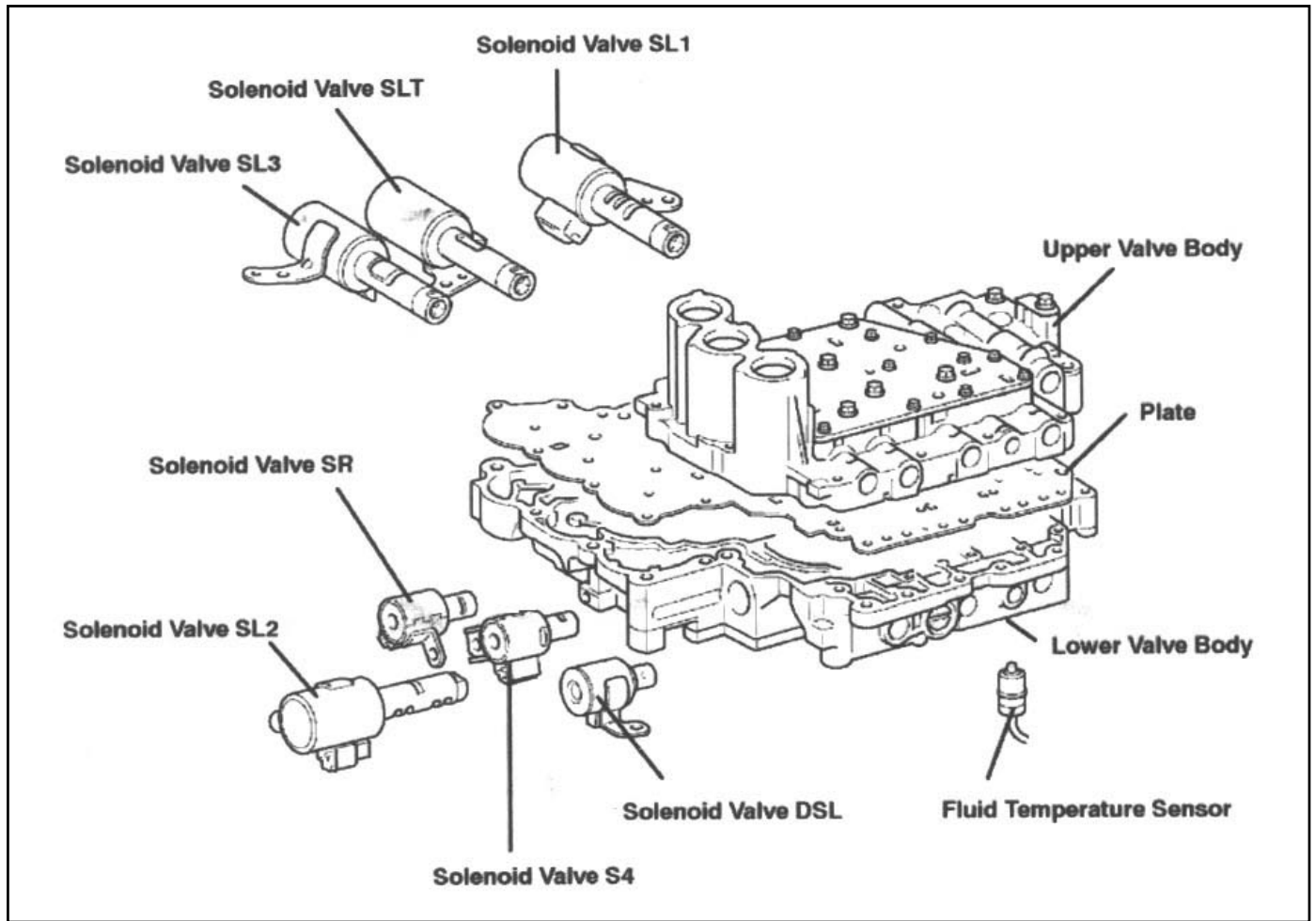
SLT=EPC

DSL=TCC

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Solenoid and Harness Information-U151E/U151F/U250E

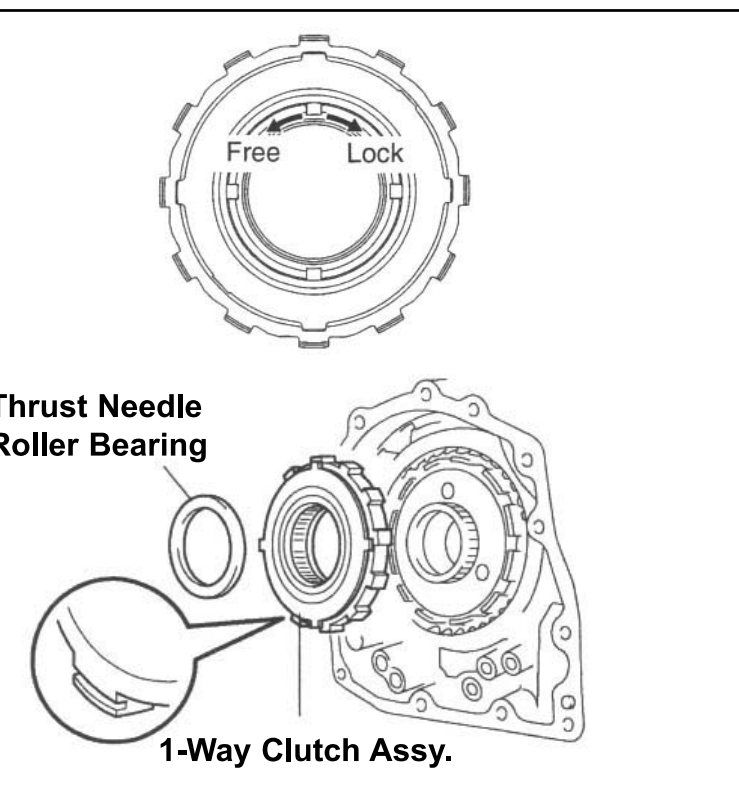


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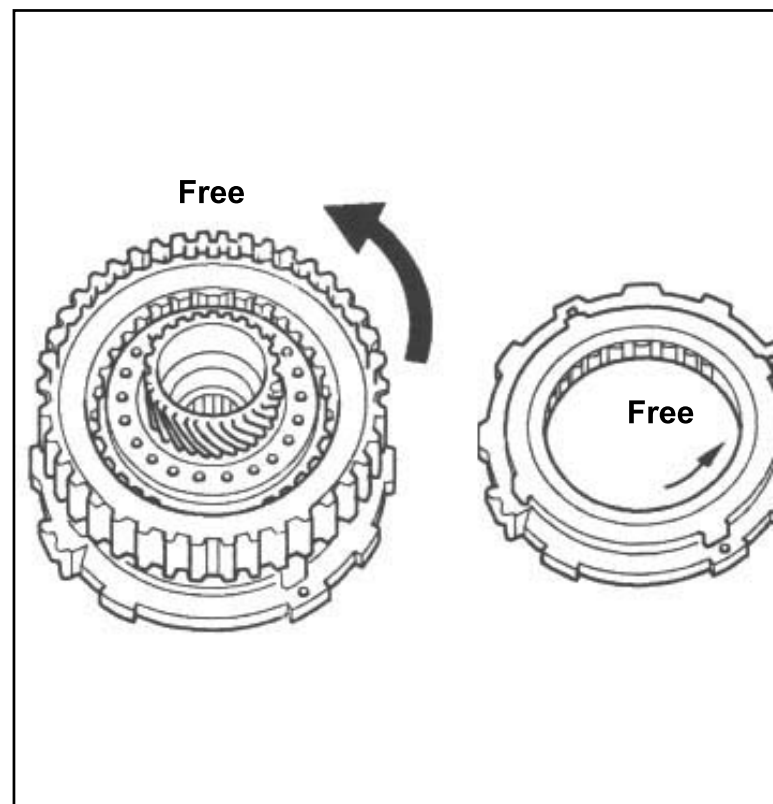
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Rotation



Low Sprag



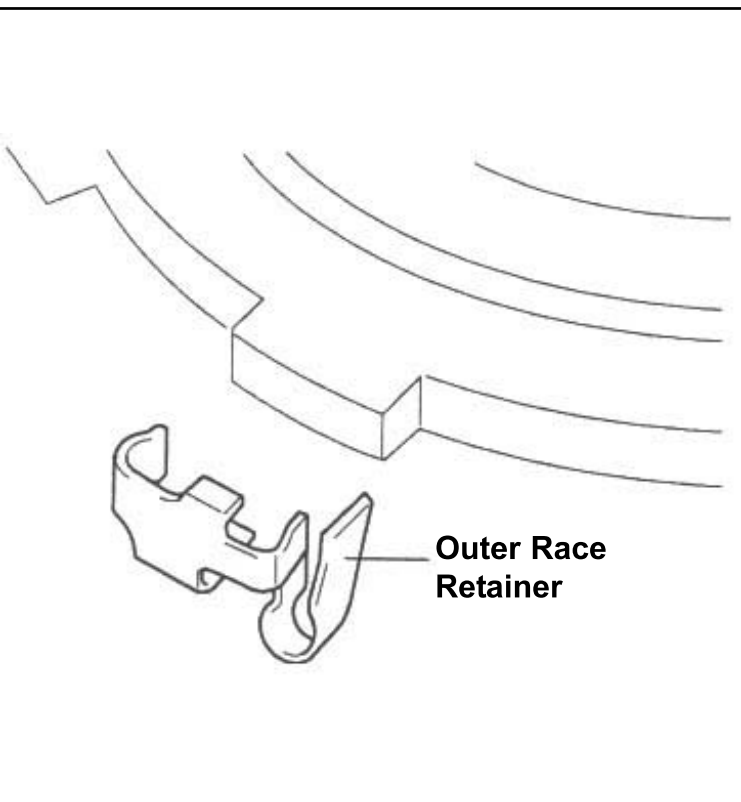
UD Sprag

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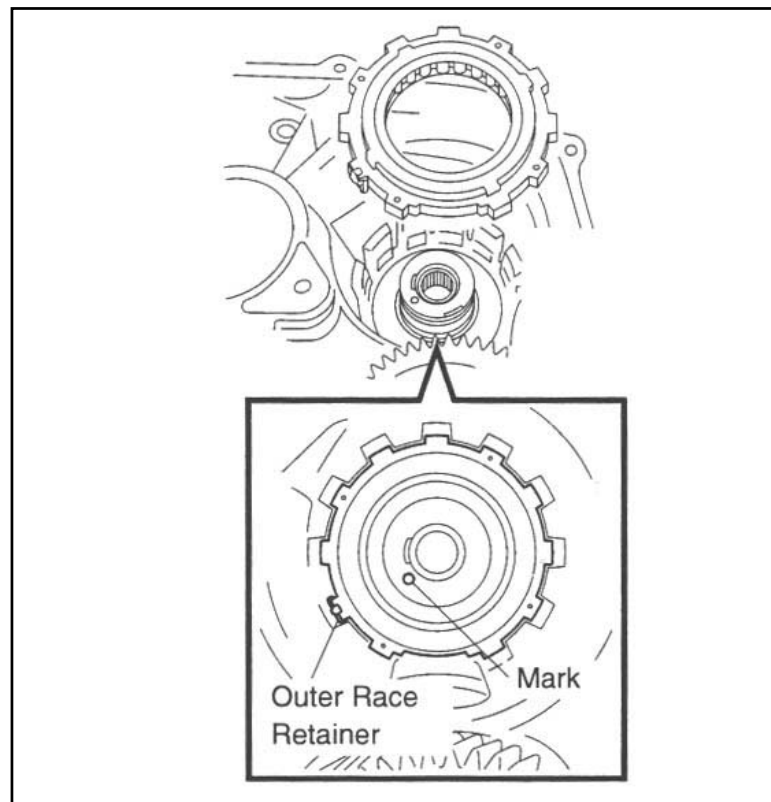
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Technical Tips For Rebuilding This Unit



UD Sprag



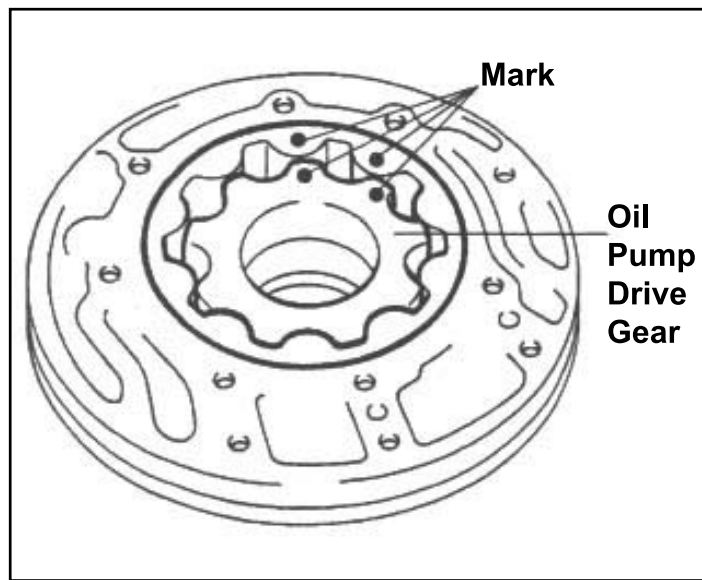
UD Sprag

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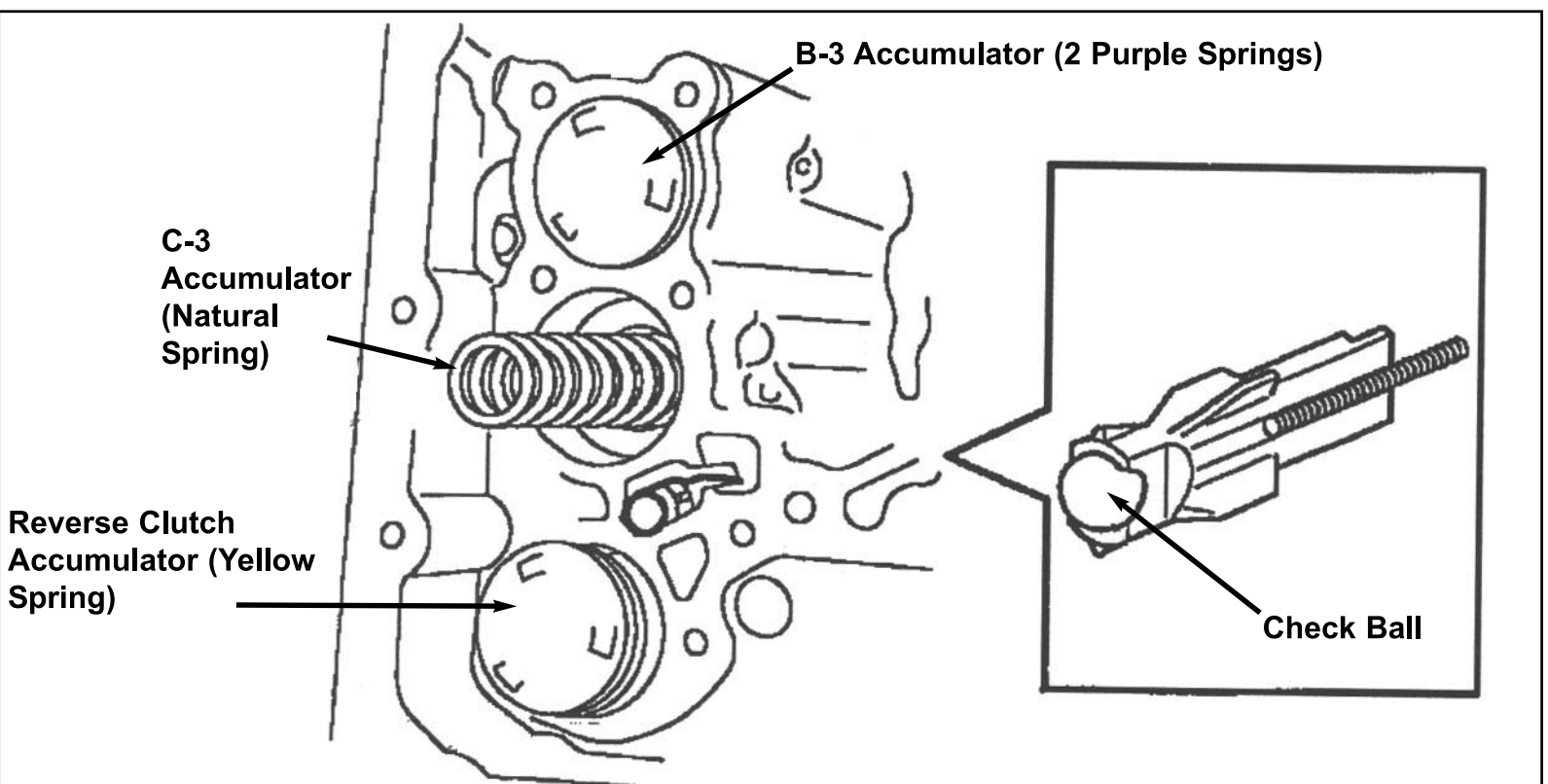
Pump Gear Timing Marks

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Accumulator, Accumulator Spring & Check Ball Body Installation