

Transmission Type...RL4F02A/RE4F02A

Rebuilder's Kwik
Reference Guide



Clutch Clearances

Forward Clutch		
Intermediate Clutch		
3/4 Clutch071-.087"	Pressure Plate
Low/Reverse Clutch087-.102"	Pressure Plate
Reverse Clutch020-.031"	Pressure Plate
Overrun Clutch		
Overdrive Clutch		
Low Clutch020-.031"	Pressure Plate

Band Adjustment

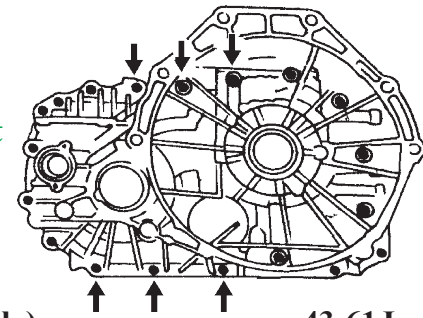
Intermediate Band		
2-4 Band	35-53 In. Lbs.	4 Turns
Low/Reverse Band		
Overdrive Band		

Adjusted By:

Torque Specifications

Pump Halves	
Pump To Case	12-15 Ft. Lbs.
Valve Body Halves	30-40 In. Lbs.
Valve Body To Case	61-78 In. Lbs.
Chain Cover To Case	
Pan	43-61 In. Lbs.

- Center Support**
- Extension Housing**
- Driven Sprocket Support**
- Overdrive Support**
- Chain Cover**
- Transfer Gears**



Governor Bolts (RL4 Only)	43-61 In. Lbs.
Bellhousing To Main Case (Marked Bolts)	33-35 Ft. Lbs.
Bellhousing To Main Case (Unmarked Bolts) ..	15-17 Ft. Lbs.
Endcover Bolts	15-17 Ft. Lbs.

Unit Endplays

Front Unit .016-.031"	Pump/Direct Drum	Bearing Race
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Middle Unit

Rear Unit

Differential

Clutch Drum .010-.022"	Pump/Reverse Drum	Thrust Washer
Differential & Side Gear Preload .002"	Under Race	Shim

Location

Selective

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Clutch & Band/Solenoid Application Charts

GEAR		REVERSE CLUTCH	HIGH CLUTCH	LOW CLUTCH	BAND	LOW/REVERSE BRAKE	1-WAY BRAKE
REVERSE		Applied				Applied	
DRIVE	1ST			Applied			Applied
	2ND			Applied	Applied		
	3RD		Applied	Applied			
	OVERDRIVE (4TH)		Applied		Applied		
2	1ST			Applied			Applied
	2ND			Applied	Applied		
1	1ST			Applied		Applied	Applied
	2ND			Applied	Applied		

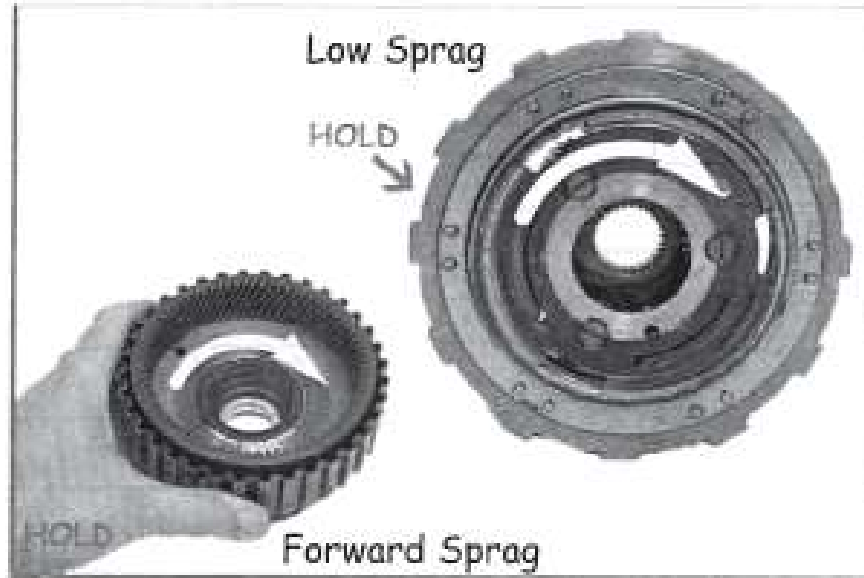
SOLENOID APPLICATION CHART					
Gear	Solenoid A Output 1 On = Red	Solenoid B Output 2 On = Red	4-3/3-2 Control Output 3 On = Red	Lock-Up Solenoid Output 6 On = Red	EPC Output 7 On = Red @ Max
1st	On	On	Function Button #2	Off	Changes to control line pressure
2nd	Off	On	On	Off	Changes to control line pressure
3rd	Off	Off	On	Off	Changes to control line pressure
4th	On	Off	Off	Off	Changes to control line pressure
Lock-Up	On	Off	Off	On	Min-Max

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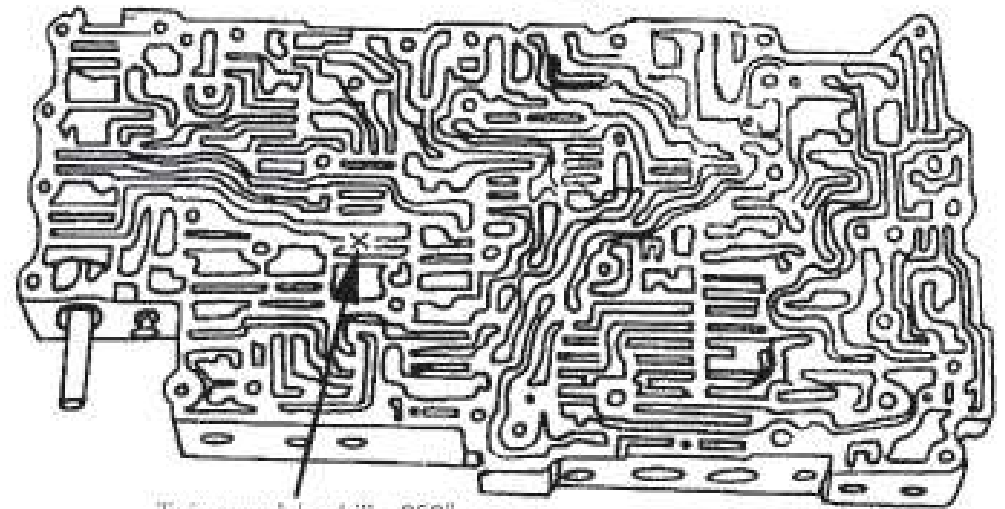
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Technical Tips For Rebuilding This Unit



Valve Body



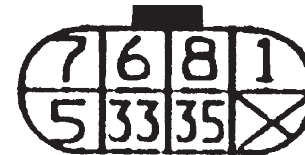
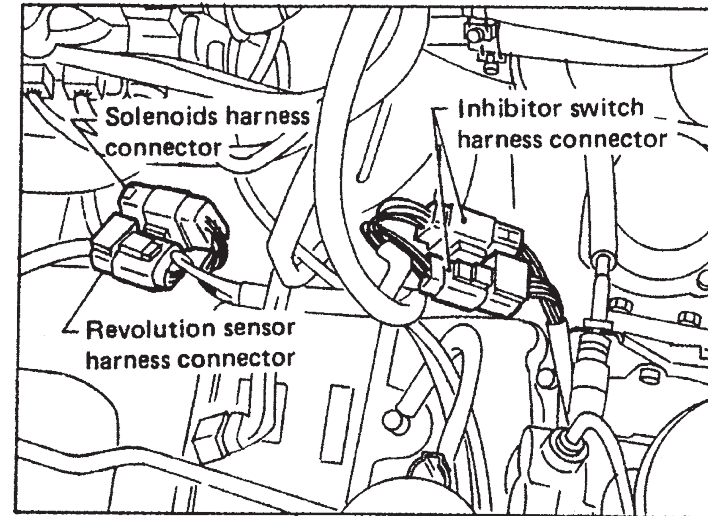
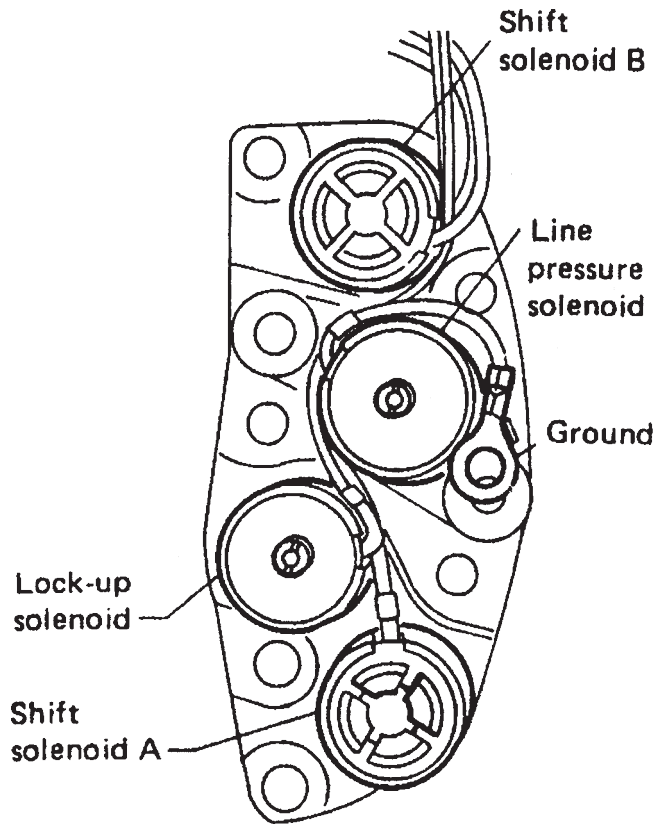
To improve lube, drill a .050" hole through this partition.

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Solenoid & Harness Information



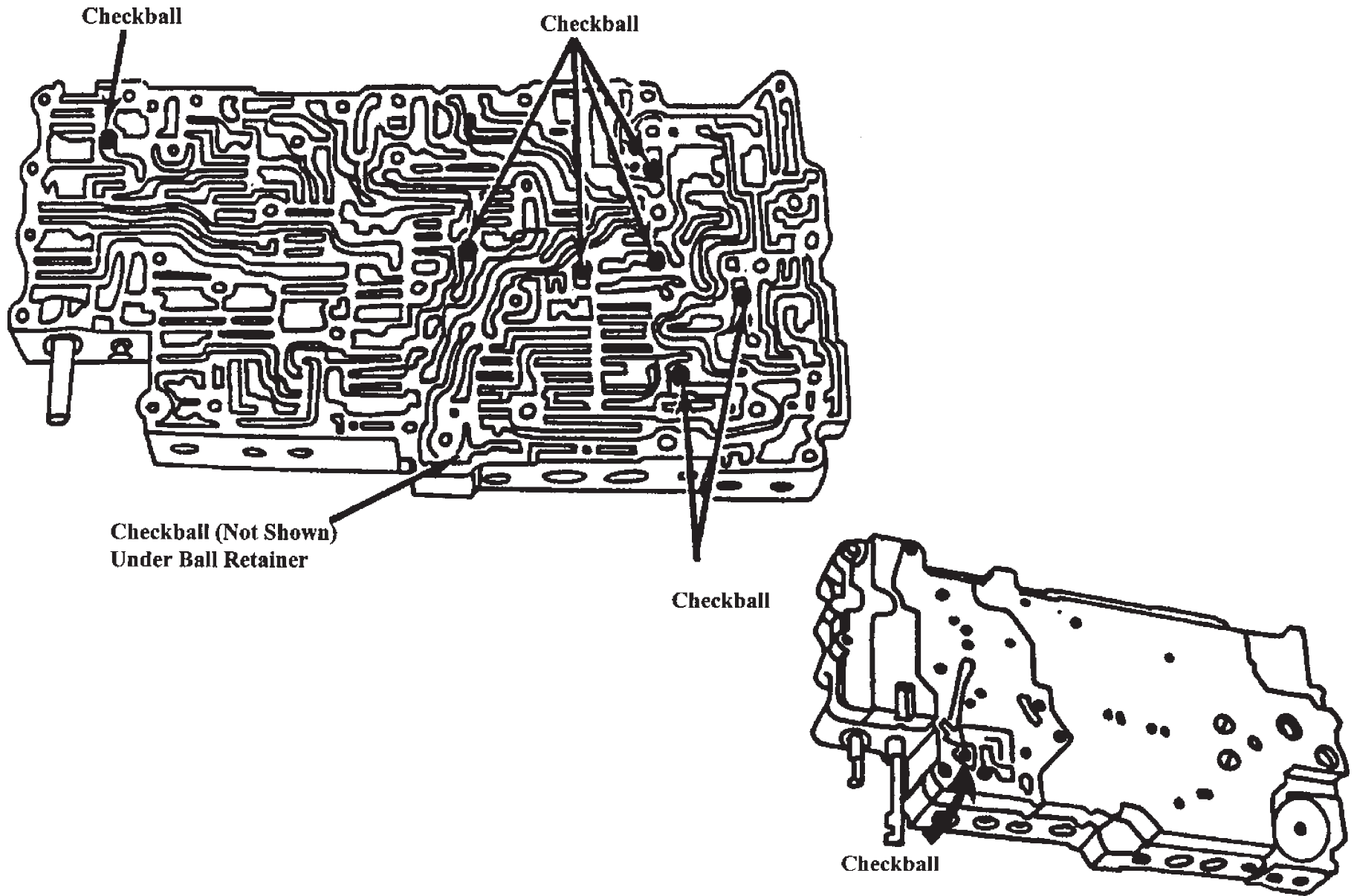
#	Description	Resistance
7	Shift Solenoid B	20 - 40 Ohms
6	Shift Solenoid A	20 - 40 Ohms
8	Timing Solenoid	2.5 - 5 Ohms
1	Line Pressure Solenoid	20 - 40 Ohms
5	Lock-Up Solenoid	10 - 20 Ohms
33	ATF Temperature Sensor	2.5 Ohms (68°F)
35	ATF Temperature Sensor	2.5 Ohms (68°F)

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Checkball Locations 1985-89



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Checkball Locations 1989-Up

