



Symptoms/Part Type	Product Name	Part No.	Details	ZIP Drop-In Zip Valve™ Parts	Tooling
TCC/Lockup Symptoms					
No lockup, Falls out of lockup when hot, Fluid blown out fill tube, 1-2, 2-3, 4-5 Flares	TCC Apply Valve Kit	1 77805-K		ZIP Fits non-PWM units only	
Pressure Problems					
Low base line pressure	Elevated Pressure Main Pressure Regulator Spring	2 77917-08			
Erratic line pressure, Low line rise, Clutch slippage, Excess pump noise, 3-4 Clutch failure	Oversized Pressure Regulator Valve	3 77917-06			77917-TL, 77917-TLC
Low line pressure, High line pressure	Pump Slide Pivot Pin	4 65797	5/Bag		
Pin bore wear, Erratic line pressure	Pump Spring Spacer	5 77917-RV	10/Bag		
Low Reverse boost, Delayed Reverse, Low line pressure, Poor upshift in manual low	Reverse Boost Valve Kit	6 K77898		ZIP Large ratio, O-ring style	
	Reverse Boost Valve Kit	6 K77898A		ZIP Large ratio, factory style	
Soft slide shifts, 3-4 Clutch burned, Reduced band life	TV Boost Valve Kit	7 77917-02K		ZIP .423" Bore dia., factory style	
	TV Boost Valve Kit	7 77917-471		ZIP .471" Bore dia., O-ring style	
	TV Boost Valve Kit	7 77917-03K		ZIP .471" Bore dia., factory style	
Shift/Engagement Concerns					
1-2 Bang at light throttle, Reduced 2-4 band life	Accumulator Valve Train Kit	9 77777L-K		ZIP Fits "L" version valve train in light/medium vehicles, .330" dia.	
	Accumulator Valve Train Kit	9 77777M-K		ZIP Fits "M" version valve train in heavy vehicles, .341"	
Poor shift quality, Burnt clutches & bands	Pinless Accumulator Piston Kit	10 77998-03K		Use in 3-4 location only	
Component Damage/Failure					
Lost or damaged component	Pump Vane	11 1280		Koyo®, 100/bag	
	Stator Support Shaft	12 65917S		27 External splines, heat treated	
High Performance/Heavy Duty Upgrades					
Upgraded bushing material for long-lasting protection against wear	Bushing	13 77005T		Precision, PTFE-lined	
Classic, large-ratio boost valve for crisp, clean shifts without harshness	Line Pressure Booster Kit	14 700R4-LB1		ZIP Includes larger ratio boost valve and stronger PR spring	
Maintains high pump volume position at high RPM	Pump Slide Spring	15 77722-01K		Replaces 2 OE springs, 5/bag	
Highest boost ratio, Maximum line rise	TV Boost Valve Kit	7 77917-500		.500" Bore dia., O-ring style	
Highest boost ratio, Maximum line rise	TV Boost Valve Kit	7 77917-04K		.500" Bore dia., factory style	
Firmer 1-2 shifts	Enhanced Performance Accumulator Spring	16 77704S		Heavy-duty alternative for 1-2 accumulator, 5/Bag	