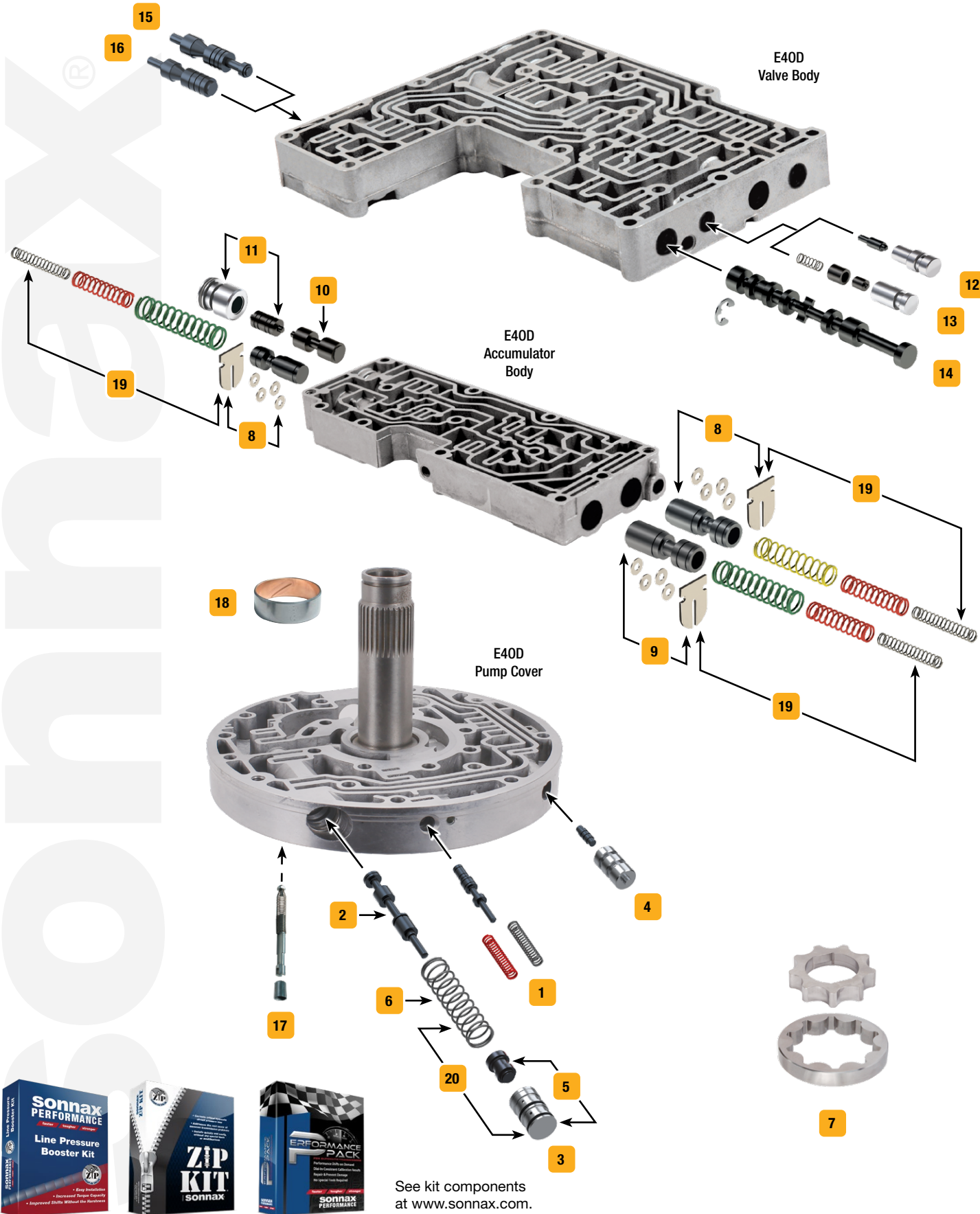


Ford E40D, 4R100



Click on part numbers for product details or visit www.sonnax.com to see all products for the unit(s) shown here.



Symptoms/Part Type	Product Name	Part No.	Details	 Drop-In Zip Valve™ Parts	Tooling
Multiple Symptoms					
The first step in correcting common shift problems	Zip Kit®	E40D-4R100-ZIP	ZIP		36948-12 †
TCC/Lockup Symptoms					
Internal converter damage, Excess converter pressure	Oversized Converter Clutch Regulator Valve Kit	1 36424-11K	F1, F5, F8 & E9 pump castings		F-36424-TL11C*
Code 62, 628, 1744, Engine stall on engagement in Reverse, High line pressure	Line-To-Lube Pressure Regulator Valve	2 36424-04K	ZIP F1, F5, F8 & E9 pump castings		
	Oversized Line-to-Lube Pressure Regulator Valve Kit	3 36424-16K	F1, F5, F8 & E9 pump castings		F-36424-TL16C*
Lockup shudder, TCC cycling	TCC Control Plunger Valve Kit	4 36424-08K	ZIP 4R100 PWM only		
Pressure Problems					
Soft shifts, Delayed Reverse, Low line rise	Boost Valve Kit	5 36424-03K	ZIP Factory style		
	Boost Valve Kit	5 36424-01K	ZIP O-Ring style		
Soft shifts, Poor shift quality, Low base line pressure	Elevated Pressure Main Pressure Regulator Spring	6 36424-10	20/Bag		
Code 62, 628, 1744, Low line pressure, Excess pump noise, Damaged pump gears	Pump Gear Set	7 36438A-03	'95-Later F5 & F8 pump casting		
	Oversized Pump Gear Set	7 36438AX-01K	'95-Later F5 & F8 pump casting		
Shift/Engagement Concerns					
Soft shifts, No 2nd, No 3rd, Premature clutch failure	1-2 & 2-3 Accumulator Control Valve Kit	8 36948-13K	ZIP Fits either of 2 locations		36948-12 †
No 4th, Soft shifts, Premature clutch failure	3-4 Accumulator Control Valve Kit	9 36948-09K	ZIP		36948-12 †
1-2 Harsh, Harsh shifts, Soft shifts	Oversized Accumulator Pressure Control Valve	10 36948-19			36948-TL‡
Intermittent harsh shifts, 1-2 Soft, 2-3 Soft, Low line rise, Low EPC pressure	Line Pressure Modulator Plunger Valve Kit	11 36948-03K	ZIP 6- & Small 8-cylinder, .331" dia.		
	Line Pressure Modulator Plunger Valve Kit	11 36948-05K	ZIP Large 8-cylinder, .372" dia.		
	Line Pressure Modulator Plunger Valve Kit	11 96948-01K	ZIP Heavy duty/high performance, .427" dia.		
No engine braking in D1, Burnt Low/Reverse clutch, Low/Reverse clutch distress	Low/Reverse Modulator Plunger Valve Kit	12 36947-06K	ZIP '96-Later, uses lower OE ratio		
No engine braking in D1, Breakaway of Low/Reverse clutch, Burnt Low/Reverse clutch	Heavy Duty Low/Reverse Modulator Sleeve Kit	13 36947-09K	ZIP '96-Later, uses higher OE ratio		
Delayed Reverse, Reverse slip, Low/Reverse clutch failure	Oversized Manual Valve Kit	14 36947-13K			F-36947-TL13*
2nd Gear starts, 3rd Gear starts, TCC cycling, TCC slip	Oversized Solenoid Regulator Valve	15 36948-22	E40D '95-earlier only, 3-spool valve		F-36948-TL22*
	Oversized Solenoid Regulator Valve	16 36947-14	'96-Later, 2-spool valve		F-36947-TL14*
Component Damage/Failure					
OD planetary failure	Front Lube/Drainback Valve Kit	17 36425-01K	Melt-proof aluminum		
Leaking front seal, Pump noise, Excess converter hub-to-bushing clearance, Low pump volume	Pump Bushing	18 36002-01	Finish-in-place		
High Performance/Heavy Duty Upgrades					
Classic, large-ratio boost valve for crisp, clean shifts without harshness	Line Pressure Booster Kit	20 4R100-LB1	ZIP		
Significantly firmer shifts at any gear	Line Pressure Modulator Plunger Valve Kit	11 96948-05K	ZIP Extreme heavy duty, .500" dia.		
Heavy duty, high performance calibration kit	Performance Pack	HP-4R100-01	4R100 only		36948-12 †, T36008A †
Aggressive shifts	Performance Rated Accumulator Spring Kit	19 36948-18K	Tri-cumulator springs		36948-12 †

* VB-FIX Required

† Recommended Tool

‡ No longer in production. Check with your distributor for availability.