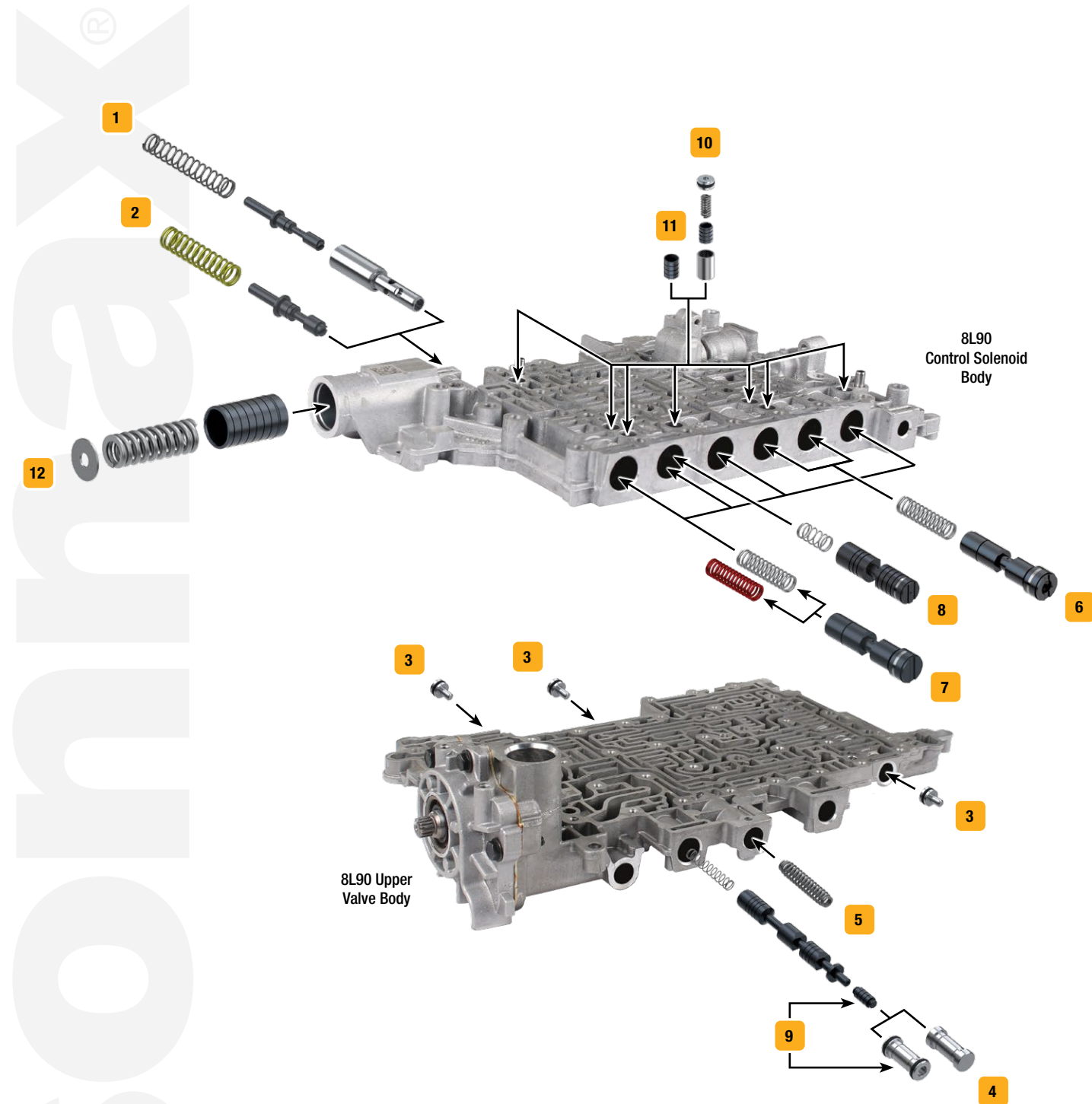


Click on part numbers for product details or visit [www.sonnax.com](http://www.sonnax.com) to see all products for the unit(s) shown here.



Symptoms/Benefits	Product Name	Part No.	Details	ZIP Drop-In Zip Valve™ Parts	Tooling
<b>Multiple Symptoms</b>					
The first step in correcting common shift problems	Shift Zip Kit®	8L45-8L90-SHIFT-ZIP	ZIP Poor shift quality, Burnt clutches, Flare shifts, Soft shifts, Clutch slippage, Low line pressure, Ratio codes		
	TCC Zip Kit®	8L45-8L90-TCC-ZIP	ZIP TCC apply & release concerns, Overheated transmission & converter, Loss of cooler flow, Loss of lube oil, Burnt converter, High TCC slip RPM, Code P0218, Code P0741		
<b>TCC/Lockup Symptoms</b>					
Code P0218, Code P0741, Overheated converter, Inadequate lubrication, High TCC slip RPM	Converter Feed Limit Valve Kit	1 154740-19K	ZIP OE vacuum testing at the inboard spool requires 154740-TL22		154740-TL22 †
Excess converter pressure, High TCC slip RPM, Code P0218, Code P0741, Overheated converter	Oversized Converter Feed Limit Valve Kit	2 154740-22K	OE vacuum testing at the inboard spool requires 154740-TL22		F-154740-TL22*, 154740-TL22 †
<b>Pressure Problems</b>					
Gear ratio & solenoid codes, Lube failures, Poor lube oil control, Converter concerns	O-Ringed End Plug Kit	3 154740-17K	ZIP Includes 3 end plugs		
Low line pressure, Burnt clutches, Harsh shifts, Low cooler flow, Loss of lube oil	Pressure Regulator & Shuttle Valve Kit	4 154740-02K	ZIP		
	Pressure Regulator & O-Ringed Shuttle Valve Kit	4 154740-29K	ZIP		
No movement, Damaged valve body casting, Broken parts due to excessive line pressure	Pressure Relief Ball Valve Spring	5 154740-18	ZIP		
Burnt clutches, Pressure loss, Poor shift quality	S1/S5 Clutch Control Valve Kit	6 154740-13K	ZIP Fits either of 2 locations		154740-TL11 †, 154740-BST13 †
Burnt clutches, Pressure loss, Poor shift quality, Burnt converter	S2/S3/S4/TCC Clutch Control Valve Kit	7 154740-11K	ZIP Fits any of 4 locations, S4 location fits '18-earlier only		154740-TL11 †, 154740-BST11 †
	S4 Clutch Control Valve Kit	8 154740-24K	ZIP '19-Later only		
Burnt clutches, Pressure loss, Poor shift quality	Oversized S4 Clutch Control Valve Kit	8 154740-26K	'19-Later only		F-154740-TL26*
	Shuttle Valve Kit	9 154740-09K	ZIP		
High line pressure, Harsh shifts, Low cooler flow, Loss of lube oil	O-Ringed Shuttle Valve Kit	9 154740-30K	ZIP		
	Signal Accumulator Piston Kit	10 154740-06K	ZIP Includes 4 piston sets, fits any of 7 locations		
Poor shift quality, Low line pressure, No converter apply, Burnt clutches, Soft shifts	Oversized Signal Accumulator Piston Kit	11 154740-01K	Includes 7 pistons		154740-TL
	<b>Shift/Engagement Concerns</b>				
Clutch slippage, Burnt clutches, Flare shifts, Ratio codes	1-3-5-6-7 Accumulator Piston Kit	12 154740-15K	ZIP		

\* VB-FIX Required

† Recommended Tool