



Valves & Controls Application Chart

AIRCRAFT	ENGINE	VALVES				CONTROLLERS									
		Press. Relief Valve	Exhaust Bypass (Butterfly)	Exhaust Bypass (Poppet)	Manual Wastegate	Fixed Abs. Press	Variable Abs. Press.	Sloped	Press. Ratio	Density	Differential Press.	Dual Abs./Abs. Press Ratio	Rate	Dual Abs./Press/ Rate	Sonic Venturi
Aero Fab Lake 250 Renegade	TIO-540-AA1AD	X								X	X				
Aerospatiale, Trinidad TC	TIO-540-AB1AD	X								X	X				
Bellanca	IO-540-G1ES, K1E5	X													
Bell Helicopter 47G3B '61-'62	TV0-435-A1A	X								X					
Bell Helicopter 47G3B '63-'67	TV0-435-B1A/B,D1A/B	X								X					
Bell Helicopter 47G3B '68-'71	TV0-435-G1A	X								X					
Bell Helicopter 47G3B '72-'73	TV0-435-F1A	X								X					
Cessna 320-1,A Skyknight '62-'63	TSIO-470-B	X			X										
Cessna 320B Skyknight '64	TSIO-470-C	X			X										
Cessna 320C Skyknight '65	TSIO-470-D	X			X										
Cessna 320D Skyknight '66	TSIO-520-B	X	X					X					X		
Cessna 320E-F Skyknight '67-'68	TSIO-520-B	X	X					X					X		
Cessna 337 Skymaster '67-'71	TSIO-360-A,B	X	X			X						X			
Cessna Ag Husky	TSIO-520-T	X													
Cessna Crusader	L/TSIO-520-AE	X	X					X							
Cessna P210 '78-'81	TSIO-520-P	X	X		X										X
Cessna P210N Centurion '82-'84	TSIO-520-AF	X	X					X							X
Cessna P210R Centurion '85-Up	TSIO-520-CE	X	X			X									X
Cessna Reims/Skymaster	TSIO-360-D	X	X			X									
Cessna Riley 414 STC	IO-720-B	X	X			X									
Cessna Skywagon '66-'68	TSIO-520-C	X	X										X		
Cessna Skywagon '70-'76	TSIO-520-G	X	X		X										
Cessna Stationair '69-'76	TSIO-520-C	X	X		X										
Cessna Stationair '77-Up	TSIO-520-M	X	X		X										
Cessna Stationair T-206	TIO-540-AJ1A	X	X					X							
Cessna T210 F-H Centurion '66-'68	TSIO-520-C	X	X										X		
Cessna T210 J-L Centurion '69-'76	TSIO-520-H	X	X		X										
Cessna T210 M-N Centurion '77-'84	TSIO-520-R	X	X		X										
Cessna T210R Centurion '85-Up	TSIO-520-CE	X	X			X									* X
Cessna T337 Skymaster	TSIO-360-JB	X	X			X									
Cessna T337 Skymaster '78-'80	TSIO-360-H	X	X			X									
Cessna T337G Skymaster '73-'77	TSIO-360-C,F, R	X	X			X									X
Cessna Titan 404 '77-Up	GTSIO-520-M	X	X			X									
Cessna Turbo 310 '69	TSIO-520-B	X			X			X							

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Cessna Turbo 310 '70-'72	TSIO-520-B	X	X			X										
Cessna Turbo 310 '73-Up	TSIO-520-B	X	X								X					
Cessna Turbo 335 '80-Up	TSIO-520-E	X	X								X					
Cessna Turbo 340 '73-'75	TSIO-520-K	X	X								X				X	
Cessna Turbo 340 '76-Up	TSIO-520-N	X	X			X									X	
Cessna Turbo 401 '67-'68	TSIO-520-E	X	X					X						X		
Cessna Turbo 401A '69	TSIO-520-E		X		X			X								
Cessna Turbo 401B '70-'72	TSIO-520-E	X	X								X					
Cessna Turbo 402 '67-'68	TSIO-520-E	X	X					X						X		
Cessna Turbo 402A '69	TSIO-520-E		X		X			X								
Cessna Turbo 402B '70-'78	TSIO-520-E	X	X								X					
Cessna Turbo 402C '79-Up	TSIO-520-VB	X	X			X										
Cessna Turbo 411 '65-'66	GTSIO-520-C		X					X						X		
Cessna Turbo 411A '67-'68	GTSIO-520-C		X					X						X		
Cessna Turbo 414 '70-'75	TSIO-520-J	X	X			X									X	X
Cessna Turbo 414 '76-'77	TSIO-520-N	X	X			X									X	X
Cessna Turbo 414A '78-Up	TSIO-520-N	X	X			X									X	X
Cessna Turbo 421A '68-'69	GTSIO-520-D	X	X			X									X	X
Cessna Turbo 421B '70-'75	GTSIO-520-H	X	X			X									X	X
Cessna Turbo 421C '76-Up	GTSIO-520-L, N	X	X			X									X	X
Cessna Turbo Skylane	0-540-L3C5D	X			X											
Enstrom Shark	HIO-360	X														
Hiller Helicopter UH12L(4) '65-'66	TIVO-540-A2A		X							X						
Lancair IV & IVP	TSIO-550-B	X	X					X							X	X
Lancair IV & IVP	TSIO-550-E	X	X					X							X	X
Mooney 231 '79-Up	TSIO-360-GB, LB	X														
Mooney 252 '85-Up	TSIO-360-MB	X	X			X									X	
Mooney Encore	TSIO-360-SB	X	X			X									X	
Mooney M-20M TLS	TIO-540-AF1A		X							X	X				X	
Mooney M-20M TLS Bravo	TIO-540-AF1B		X							X	X				X	
Mooney Mustang	TIO-541-A1A		X			X									X	
Page Various	R7555	X														
Piper Arrow	TSIO-360-F	X														
Piper Aztec A/B '60-64	O-540-A1,B5,D5		X		X											
Piper Aztec C/D '66-69	IO-540-C4B5, J4A5		X		X											
Piper Aztec E/F '70-Up	TIO-541-C1A		X							X	X					
Piper Chieftain '73-Up	L/TIO-540-J2BD		X							X	X					
Piper Dakota	TSIO-360-F	X														
Piper Lance (Saratoga)	TIO-540-S1AD	X			X											
Piper Malibu	TSIO-520-BE	X	X					X							X	X
Piper Malibu Conversion	TSIO-550-C	X	X					X							X	X
Piper Malibu Mirage	TIO-540-AE2A	X	X			X										
Piper Mojave	TIO-540-V2AD	X	X			X									X	X

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Piper Navajo 310 '67-Up	TIO-540-A1A,A1B,A2B,A2C	X							X	X						
Piper Navajo C/R '75-Up	L/TIO-540-F2BD	X							X	X						
Piper PR. Navajo '70-77	TIGO-541-E	X	X				X								X	
Piper Saratoga TC	TIO-540-AH1A	X	X					X								
Piper Seneca II	L/TSIO-360-E,EB	X														
Piper Seneca III,IV	L/TSIO-360-KB	X														
Piper Seneca V	L/TSIO-360-RB	X	X				X								X	
Raytheon Baron	TIO-541-E1B4		X				X									
Raytheon Baron '76-'78	TSIO-520-L	X	X				X								*	X
Raytheon Baron '79-Up	TSIO-520-WB	X	X				X								*	X
Raytheon Bonanza A/B36TC	TSIO-520-U	X	X				X									
Raytheon Bonanza V35	TSIO-520-D		X				X									
Raytheon Duke '69-'72	TIO-541-E1A4	X	X				X									X
Raytheon Duke '73-Up	TIO-541-E1C4	X	X				X									X
Raytheon Press. Baron '76-'78	TSIO-520-L	X	X				X								X	X
Raytheon Press. Baron '79-Up	TSIO-520-WB	X	X				X								X	X
Raytheon Turbo Bonanza	TSIO-520-UB	X	X				X									
Rockwell Commander 114 TC	TIO-540-AG1A		X						X	X						
Rockwell Commander 685	GTSIO-520-K	X	X				X								X	X
Rockwell Commander 700	TIO-540-R2AD	X	X				X									
Socata Trinidad TC TB-21/TC	TIO-540-AB1AD		X						X	X						

* Venturi dumps overboard.