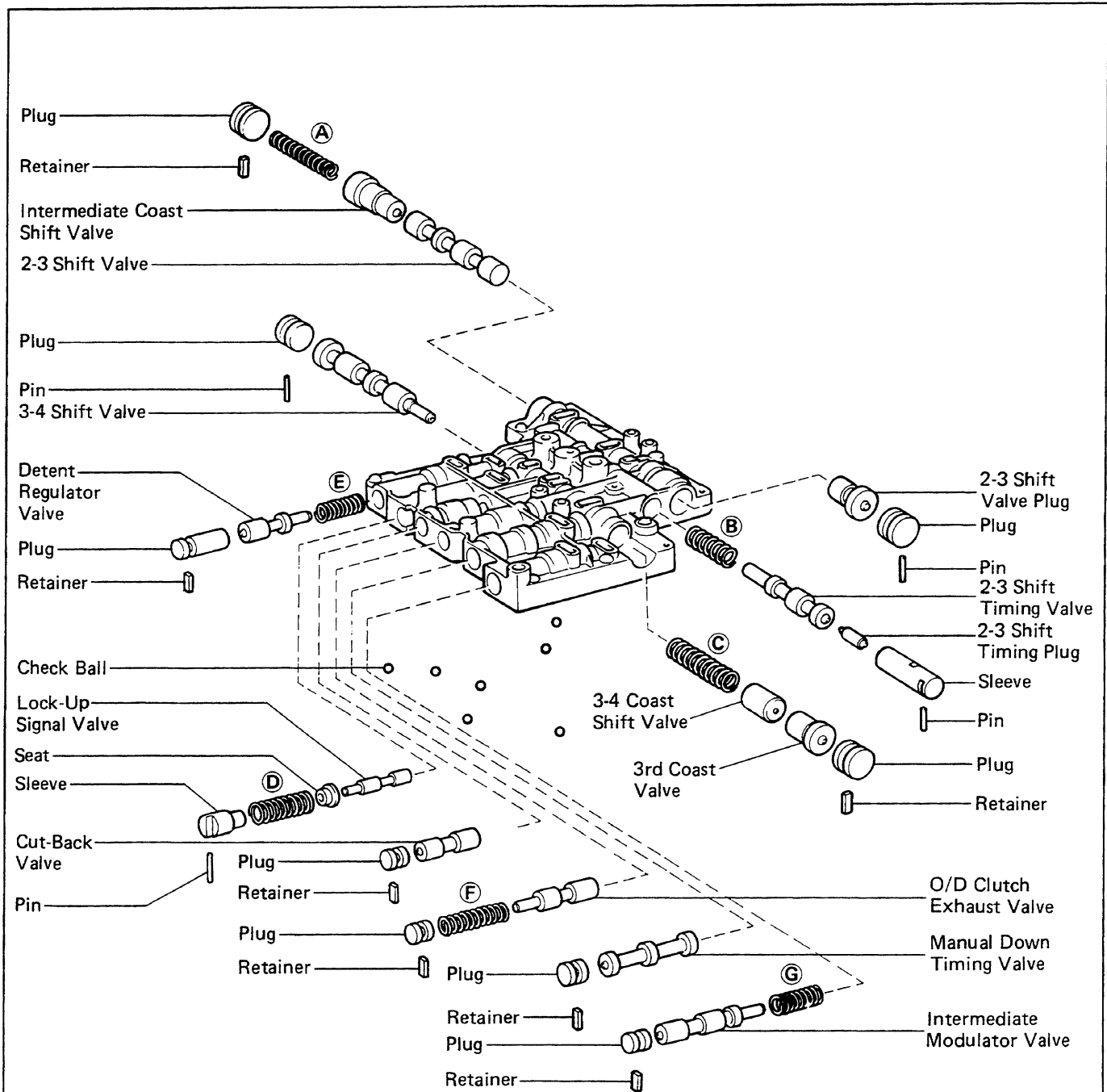
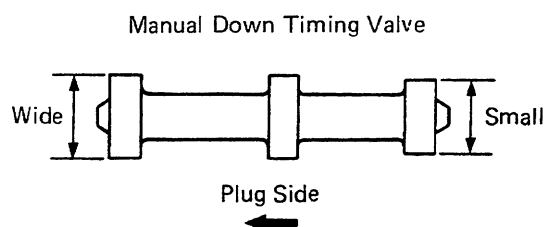
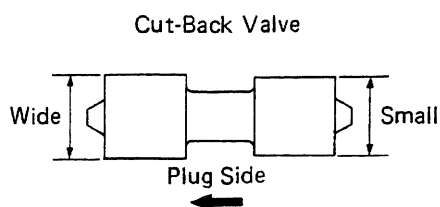


(Rear Upper Valve Body) COMPONENTS



AT4160

HINT:



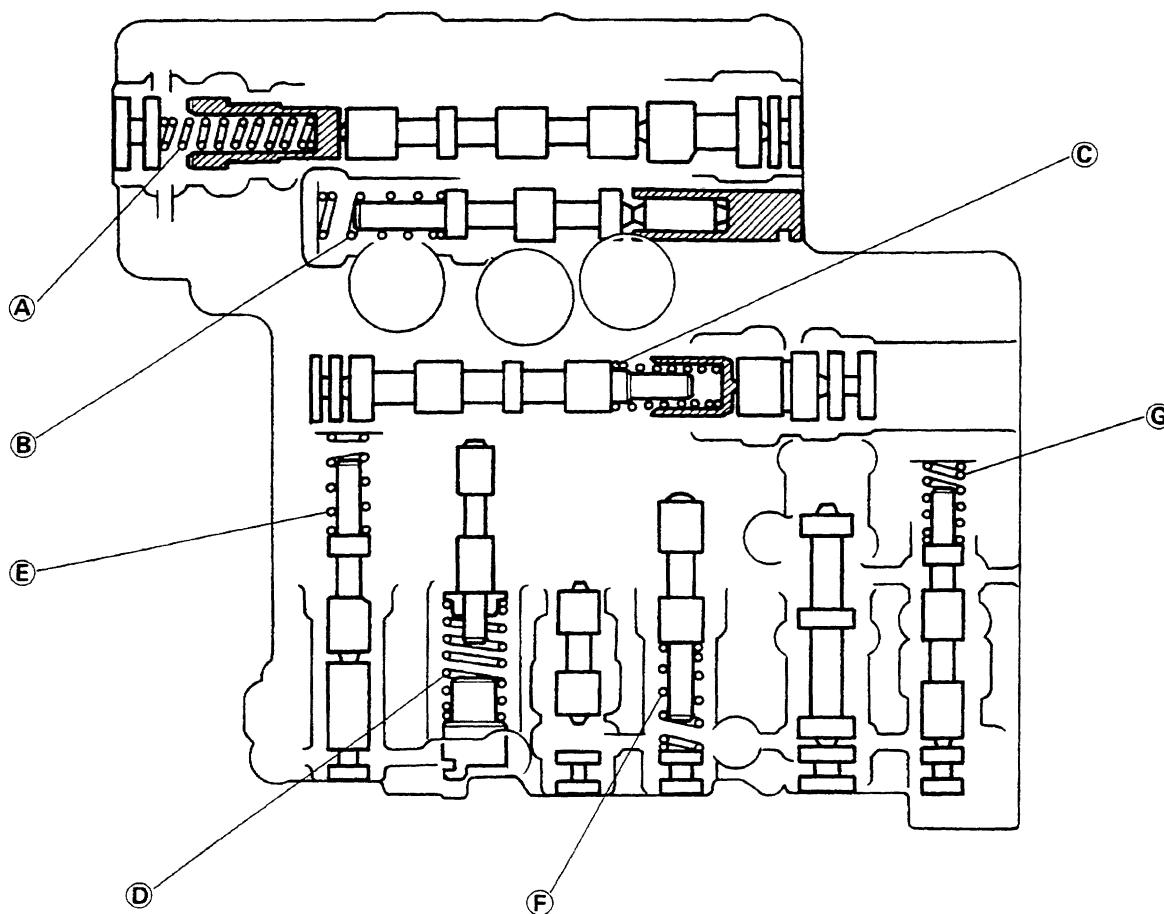
AT4211 AT4210

SPECIFICATIONS OF VALVE BODY SPRINGS

Spring		Free length mm (in.)	Coil outer diameter mm (in.)	Total No. of coils	Color
Ⓐ	2-3 shift valve	42.2 (1.661)	8.9 (0.350)	22.0	White
Ⓑ	2-3 shift timing valve	29.4 (1.157)	8.6 (0.339)	15.5	None
Ⓒ	3-4 shift valve	38.3 (1.508)	9.7 (0.382)	17.0	None
Ⓓ	Detent regulator valve	30.4 (1.197)	7.4 (0.291)	16.0	White
Ⓔ	Lock-up signal valve	47.6 (1.874)	13.7 (0.539)	16.0	Blue
Ⓕ	4/D clutch exhaust valve	33.3 (1.311)	8.2 (0.323)	14.0	Yellow
Ⓖ	Intermediate modulator valve	22.5 (0.886)	7.7 (0.303)	12.0	Pink

HINT: During reassembly, please refer to the spring specifications above to help differentiate the different springs,

SECTIONAL VIEW OF VALVE BODY



LOCATION OF RETAINERS, PINS AND CHECK BALLS

1. RETAINERS AND PINS

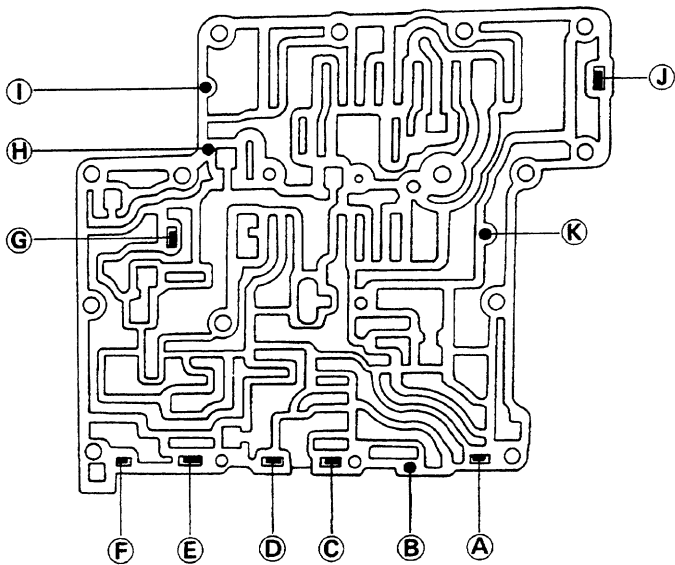


Diagram showing the locations of retainers and pins in the valve body, labeled A through K.

		mm (in.)		
	Item	Length	Width	Thickness or diameter
(A)	Retainer for detent regulator valve plug	13.5 (0.531)	5.0 (0.197)	3.2 (0.126)
(B)	Pin for lock-up signal valve plug	21.8 (0.858)	—	2.5 (0.098)
(C)	Retainer for cut-back valve plug	13.5 (0.531)	5.0 (0.197)	3.2 (0.126)
(D)	Retainer for O/D clutch exhaust valve plug	13.5 (0.531)	5.0 (0.197)	3.2 (0.126)
(E)	Retainer for manual down timing valve plug	13.5 (0.531)	5.0 (0.197)	3.2 (0.126)
(F)	Retainer for intermediate modulator valve plug	13.5 (0.531)	5.0 (0.197)	3.2 (0.126)
(G)	Retainer for 3rd coast valve plug	13.5 (0.531)	5.0 (0.197)	3.2 (0.126)
(H)	Pin for 2-3 shift timing valve sleeve	21.8 (0.858)	—	2.5 (0.098)
(I)	Pin for 2-3 shift valve plug	12.8 (0.504)	—	2.0 (0.079)
(J)	Retainer for 2-3 shift valve plug	13.5 (0.531)	5.0 (0.197)	3.2 (0.126)
(K)	Pin for 3-4 shift valve plug	12.8 (0.504)	—	2.0 (0.079)

AT4120

2. CHECK BALLS

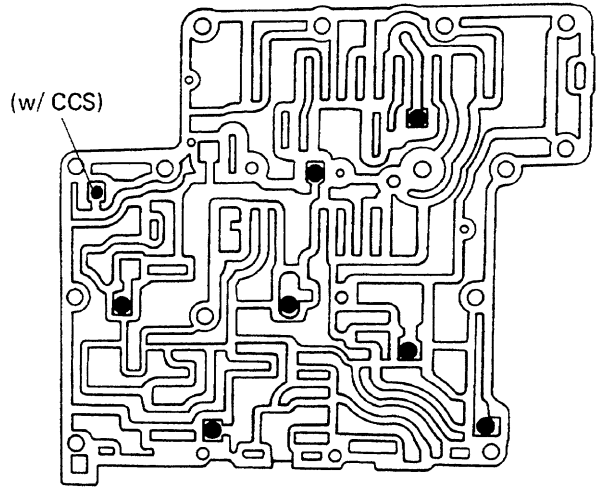


Diagram showing the locations of check balls in the valve body, labeled (w/ CCS).

		mm (in.)
	Item	Diameter
	Check ball	6.4 (0.252)

AT4121