

AUTOMATIC TRANSAXLE

SECTION **AT**

MODIFICATION NOTICE:

The control valve upper body and service data and specifications (SDS) have been changed.

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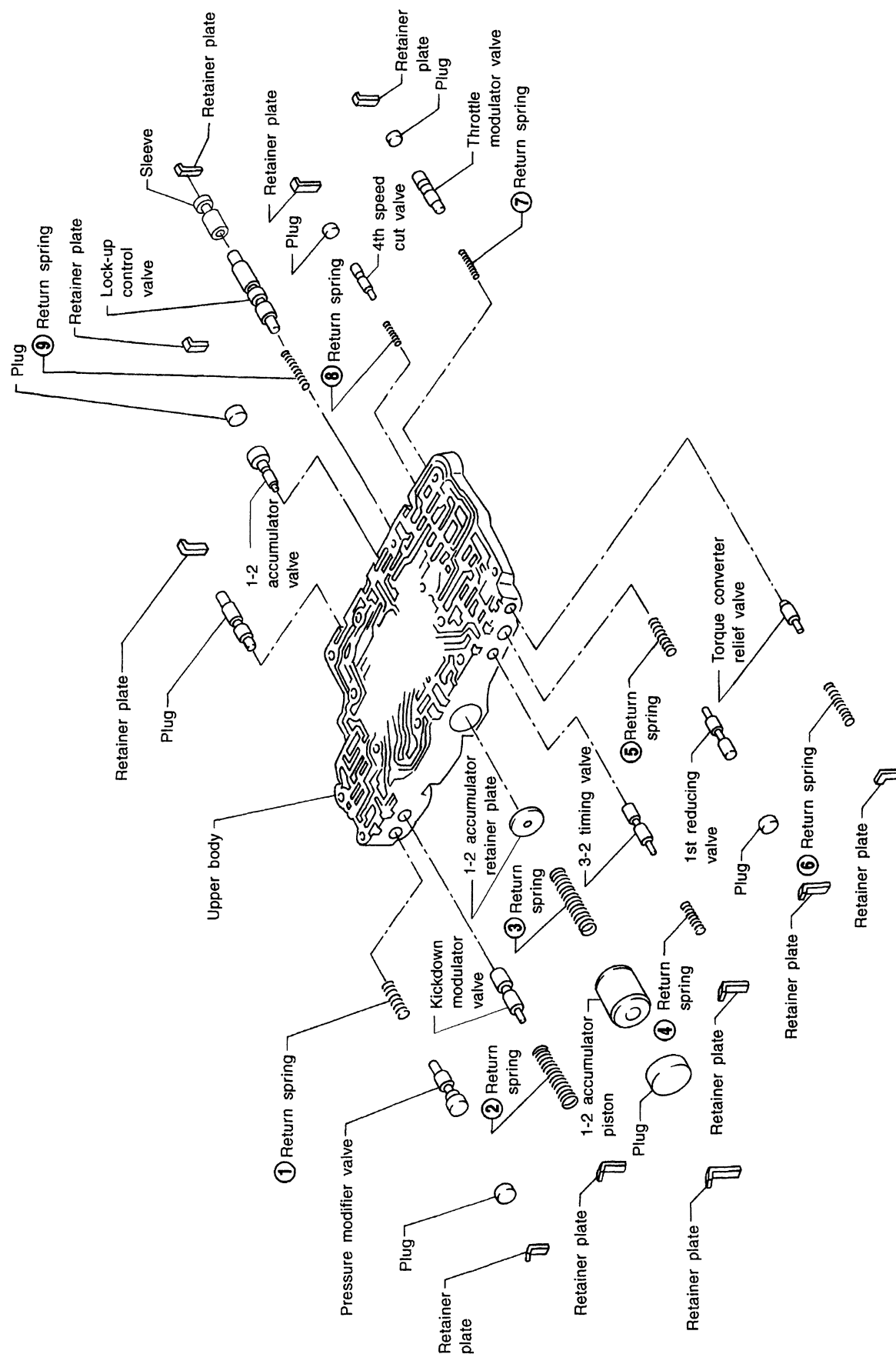


REPAIR FOR COMPONENT PARTS

Control Valve Upper Body

MODEL 34X68

SEC. 317



Apply ATF to all components before their installation.

Numbers preceding valve springs correspond with those shown in Spring Chart of SDS on page AT-3.

SERVICE DATA AND SPECIFICATIONS (SDS)

Specifications and Adjustments

CONTROL VALVES

Control valve return springs

Unit: mm (in)

Parts			Part No.	Free length	Outer diameter
		Model 34X68			
Upper body	①	Pressure modifier valve spring	31742-31X64	25.02 (0.9850)	7.9 (0.311)
	②	Kickdown modulator valve spring	31742-31X03	40.5 (1.594)	9.0 (0.354)
	③	1-2 accumulator valve spring	31742-31X63	50.8 (2.000)	17.0 (0.669)
	④	3-2 timing valve spring	31736-21X00	26.3 (1.035)	7.2 (0.283)
	⑤	1st reducing valve spring	31835-21X08	22.6 (0.890)	7.3 (0.287)
	⑥	Torque converter relief valve spring	31742-31X06	23.5 (0.925)	7.4 (0.291)
	⑦	Throttle modulator valve spring	31742-31X07	29.5 (1.161)	5.5 (0.217)
	⑧	4th speed cut valve spring	31756-21X02	22.6 (0.890)	7.3 (0.287)
	⑨	Lock-up control valve spring	31742-31X08	39.5 (1.555)	5.0 (0.197)
	—	Oil cooler relief valve spring	31872-31X00	17.02 (0.6701)	8.0 (0.315)
Lower body	①	Throttle valve and detent valve spring	31802-31X07	33.0 (1.299)	10.0 (0.394)
	②	Pressure regulator valve spring	31742-31X00	52.24 (2.0567)	15.0 (0.591)
	③	3-4 shift valve spring	31762-31X00	52.0 (2.047)	8.0 (0.315)
	④	2-3 shift valve spring	31762-31X01	52.7 (2.075)	7.0 (0.276)
	⑤	1-2 shift valve spring	31762-31X02	45.9 (1.807)	5.3 (0.209)
	⑥	Overrun clutch control valve spring	31742-31X60	48.9 (1.925)	7.0 (0.276)

AT

CLUTCH AND BRAKES

Model	34X68	
Low & reverse brake		
Number of drive plates	5	
Number of driven plates	5	
Drive plate thickness mm (in)		
Standard	2.0 (0.079)	
Wear limit	1.8 (0.071)	
Clearance mm (in)		
Standard	1.4 - 1.8 (0.055 - 0.071)	
Allowable limit	2.8 (0.110)	
Thickness of retaining plate	Thickness mm (in)	Part number
	3.6 (0.142)	31667-31X16
	3.8 (0.150)	31667-31X17
	4.0 (0.157)	31667-31X18
	4.2 (0.165)	31667-31X19
	4.4 (0.173)	31667-31X20
	4.6 (0.181)	31667-31X21