APPROXIMATE SHIFT SPEEDS AT KICK-DOWN

Car	Engine	Rear axle ratio	1—2 shift		2—3 shift		3—2 shift		3—1 shift	
			km p h	m p h	km p h	m p h	km p h	m p h	km p h	m p h
142, 144	B 20 A	4.10:1	60	37	95	59	86	53	max 49	30
	B 20 B	4.10:1	63	39	105	65	94	58	max 49	30
	B 20 E, F	4.10:1	60	37	108	67	98	—	max 49	30
	B 20 E, F	3.91:1	63	39	112	70	102	63	max 49	30

SPRINGS FOR CONTROL SYSTEM

SPRING	Approximate length		Effective Number of turns	Wire diameter
1—2 shift valve	27.8 mm	1.094″	13½	6.61 mm
Primary regulator valve, B 20 A	72.4 mm	2.850″	14¼	1.37 mm
B 20 B, E, F	74.7 mm	2.940″	14	1.42 mm
*) Primary regulator valve, B 20 A	72.4 mm	2.850″	15	1.42 mm
Servo orifice control valve	27.6 mm	1.086″	24	0.64 mm
*) Servo orifice control valve	30.8 mm	1.213″	25	0.61 mm
Modulator valve	27.2 mm	1.069″	19	0.71 mm
*) Modulator valve	27.2 mm	1.069″	19	0.71 mm
Secondary regulator valve	65.9 mm	2.593″	18	1.42 mm
2—3 shift valve (inner spring)	40.4 mm	1.59″	22½	0.91 mm
Throttle valve (inner spring)	20.5 mm	0.907″	28	0.46 mm
*) Throttle valve (inner spring)	20.5 mm	0.907″	25	0.46 mm
Throttle valve (outer spring)	29.8 —	1.107—	19½	0.81 mm
*) Throttle valve (outer spring)	30.1 mm	1.185″		
Governor valve	29.8 —	1.107—	18	0.81 mm
*) Alternative springs	30.1 mm	1.185″		

TIGHTENING TORQUES

APPLICATION	Nm	Lb ft
Torque converter — drive plate	35—41	25—30
Transmission case — converter housing	11—18	8—13
Extension housing — transmission case	41—76	30—55
Oil pan — transmission case	11—18	8—13
Front servo — transmission case	11—18	8—13
Rear servo — transmission case	18—37	13—27
Pump adaptor — front pump body	24—30	17—22
Slotted screws	3—4	2—3
Pump adaptor — transmission case	11—26	8—18.5
Oil deflector flange — transmission case	6—10	4—7
Center support — transmission case	14—25	10—18
Outer lever — manual valve shaft	10—12	7—9
Pressure point	6—7	4—5
Oil pan drain plug	12—17	9—12
Oil tube collector — lower body	2.5—3.5	1.7—2.5
Governor line plate — lower body	2.5—3.5	1.7—2.5
Lower body end plate — lower body	2.5—3.5	1.7—2.5
Upper body end plate front or rear — upper body	2.5—3.5	1.7—2.5
Upper body — lower body	2.5—3.5	1.7—2.5
Valve bodies assembly — transmission case	6—12	4.5—9
Front pump strainer — lower body	2.5—3.5	1.7—2.5
Downshift valve cam bracket — valve body	2.5—5.0	1.7—3.5
Governor		
Governor body — counterweight	6—7	4—5
Cover plate — governor body	2.5—5.5	1.7—4.0
Brake band adjustment		
Adjusting screw locking nut, rear servo — case	41—55	30—40