

Automatic DB Transmission

Job No.

27-0

General Data, Dimensions and Limits

Change : new models added, other changes marked with*

Shift points

Shifting			1st/2nd gear		2nd/3rd gear		3rd/4th gear		Max. speed in gears, km/h
Selector lever position	Accelerator pedal position	Regulator type ¹⁾	up	down	up	down	up	down	
4	little partial throttle	I	—	—	28	23	40	30	
		II	—	—	28 ^B	23 ^G	40 ^C	30 ^H	
		III	—	—	25 ^B	18 ^G	40 ^C	30 ^H	
		IV	—	—	25	18	45	30	
	full throttle	I	18 ²⁾	—	48	23	76	30	
		II	18 ²⁾	—	40 ^C	23 ^G	85 ^E	30 ^H	
		III	18 ²⁾ A	—	40 ^C	18 ^G	100 ^E	30 ^H	
		IV	18 ²⁾	—	45	18	120	30	
	kickdown	I	28	10-12	48	30	76	66	
		II	28	10-12	54 ^D	30 ^H	85 ^E	75 ^J	
		III	25 ^B	10-12 ^F	58 ^D	30 ^H	100 ^E	85 ^J	
		IV	25	10-12	75	30	120	105	
3	little partial throttle	I	—	—	28	23	—	—	86 86 115 130
		II	—	—	28 ^B	23 ^E	—	—	
		III	—	—	25 ^B	18 ^E	—	—	
		IV	—	—	25	18	—	—	
	full throttle	I	18 ²⁾	—	48	23	—	—	
		II	18 ²⁾ A	—	54 ^C	23 ^E	—	—	
		III	18 ²⁾	—	58 ^C	18 ^E	—	—	
		IV	18 ²⁾	—	75	18	—	—	
	kickdown	I	28	10-12	48	38	—	—	
		II	28 ^B	10-12 ^D	54 ^C	44 ^F	—	—	
		III	25	10-12	58 ^C	46 ^F	—	—	
		IV	25	10-12	75	64	—	—	
2	little partial throttle	I	15	10	—	—	—	—	55 55 70 80
		II	15 ^A	10 ^C	—	—	—	—	
		III	15	10	—	—	—	—	
		IV	15	10	—	—	—	—	
	full throttle	I	15	10	—	—	—	—	
		II	15 ^B	10 ^C	—	—	—	—	
		III	40	10	—	—	—	—	
		IV	45	10	—	—	—	—	
	kickdown	I	28	23	—	—	—	—	
		II	28 ^B	23 ^D	—	—	—	—	
		III	40	30	—	—	—	—	
		IV	45	30	—	—	—	—	

Note: All values are approximate values. The capital letters at the right of the speed values refer to the diagrams of Job No. 27-1.

- *¹⁾ Regulator type I: Installed in transmission of model 190 Dc (1st version up to transmission No. 1466).
 Regulator type II: Installed in transmission of models 190 Dc (2nd version as from transmission No. 1467) and 200 D
 Regulator type III: Installed in transmission of models 190c, 200, 220b, 220Sb, 220SEb, 230, 230S, 250S, 300SE with 160 HP engine and transmission version 1 and E.
 Regulator type IV: Installed in transmission of models 230SL, 250S, 250SE, 300SE with 170 HP engine and standard transmission, 300SEb, 300SEL
 (with rear axle ratio 3.92 : 1 the speeds are approx. 4% lower),
 (with rear axle ratio 3.69 : 1 the speeds are approx. 5% higher).
- *²⁾ Applies only if 1st gear was previously engaged by kickdown.

Transmission ratios

Gear	Transmission	Transmission ratio
1st	In front and rear planetary gear set	3.98 : 1
2nd	In front planetary gear set	2.52 : 1
3rd	In rear planetary gear set	1.58 : 1
4th	No transmission	1 : 1
Reverse	In front and rear planetary gear set	4.15 : 1

27-0/1