

# TOD

## Torque distribution depends on the driving condition

No.	Items	Condition	Torque distribution	Decision by
1	Fast start	When vehicle starts abruptly to get a enough driving power	50:50	TPS Vehicle speed DIFF.(FRT-RR speed)
2	Normal driving	When vehicle drives at straight road for stable driving and fuel consumption	0:100 ~ 30:70	↑
3	Acceleration	When vehicle catch up with another vehicle to get more power and stable driving	30:70 ~ 50:50	↑
4	Normal steering	When vehicle steers for stable steering performance	20:80 ~ 30:70	↑
5	Driving and steering at slippery road	When vehicle drives or steers at slippery road to minimize wheel slip and get a stability	30:70 ~ 40:60	↑

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6	Parking control	When vehicle steers and starts in vehicle stopping condition	5:95 ~ 20:80	↑
7	Braking control	When vehicle stops for stable braking and reduce a braking distance	0:100 ~ 10:90	Vehicle speed DIFF.(FRT-RR speed)
8	ABS control	When ABS is operated to get a stable braking performance	30:70	ABS operation signal DIFF.(FRT-RR speed)
9	Off-road, Steep slope road	To get a enough driving power	50:50	LOW signal Vehicle speed
10	Fail-safe	1. AUTO mode	0:100	
		2. LOW mode	50:50	

※ DIFF. (FRT-RR speed) :

The difference of rotating speed between front and rear propeller shaft.