



SPEED CHANGING OPERATIONS

SPEED RANGE

93. This chart shows the suitable speed range of each gear as follows:

Gear \ Speed range	0-20 km/h	15-35 km/h	25-45 km/h	35-50 km/h	Above 50km/h
5th					
4th					
3rd					
2nd					
1st					

1st gear	<p>The 1st gear is engaged when moving off from a stationary position. The 1st gear will generate the lowest speed and is the most powerful gear.</p> <p>Use it within the speed range of 0 to 20 km/h</p>
2nd gear	<p>The 2nd gear is engaged to increase the vehicle speed of the motorcycle. The 2nd gear may also be used to apply the engine braking when turning on tight corner or sharp bends, making right or left turns at intersections and moving down steep slopes.</p> <p>When merging with surrounding cars traveling along major roads, quick acceleration may be performed using the 2nd gear to increase the speed of the motorcycle.</p> <p>Use within the speed range of 15 to 35 km/h.</p>
3rd gear	<p>The 3rd gear is engaged to increase the speed of the motorcycle further. It is also used when negotiating moderate corners or bends and can be used as an engine braking when moving down a moderate slope. It may also be used when accelerating during overtaking.</p> <p>Use within the speed range of 25 to 45 km/h.</p>
4th gear	<p>The 4th gear is engaged when increasing the speed further than 3rd gear.</p> <p>Use it on a long straight road when you are traveling at a speed that allows you to get into the flow.</p> <p>Use within the speed range of 35 to 50 km/h.</p>
5th gear	<p>The 5th gear is engaged for running the motorcycle at the highest speed such as on expressways. There are some motorcycles which provide 6th gear and it is usually found on higher capacity motorcycles.</p> <p>However, if the vehicle is not moving at the appropriate speed according to the gear ratio there will be knocking effect and it may cause an adverse effect on the engine.</p> <p>Use it in the speed range of 50 km/h or more.</p>

SHIFTING GEAR ACCORDING TO THE SPEED AND ROAD CONDITION

94. At any time if traffic does not permit you to accelerate to the required speed in order to change up to the next higher gear, you should control the throttle grip and adjust your speed to suit the traffic conditions. You should only change when condition permits.