



THE MOTORCOP MEASUREMENT PATTERN

All measurements are to center of cone (using an 18 inch cone). The course requires 100 to 130 cones. (If physical limitations require the use of less space the course may be reduced in size by shortening the entrance/exit lane)

Path of Travel – The riders enters the pattern travelling down the entrance/exit lane (front forks). The rider travels clockwise around the front wheel, then up the second lane and makes a 90° left turn back towards the 20 foot box (engine). The rider then completes a 360° counter-clockwise turn inside the 20 foot box, ensuring this turn is made on the front side or rider’s left side of Key Cone “T”. The rider then travels clock-wise around the rear wheel entering between Key Cone “S” and Key Cone “T”. Upon completion the rider exits the rear wheel between Key Cones “S” and “T” and completes a final 360° counter-clockwise turn inside the 20 foot box and exits the box out the short bottom lane towards the front wheel. The rider then travels counter-clockwise around the front wheel and exits the exercise by going up the exit lane (front forks).

<u>KEY CONE OR KEY POINT</u>	<u>DISTANCE ABOVE OR BELOW (+ OR -) BASE LINE</u>	<u>DISTANCE LEFT OR RIGHT (L OR R) RISER LINE</u>
A	0	0
B	0	R 9'
C	0	R 29'8
D	0	L 10'
E	0	L 34'8
F	10'+	L 20'
G	10'-	L 20'
H	8'-	0
I	3'-	0
J	14'+	0
K	23'+	0
L	45'+	0
M	See NOTES Item # 1	
N	See NOTES Item # 2	
O	16'8 +	R 25'
P	0	R 15'
Q	8'-	R 16'6
R	3'-	R 11'
S	0	L 23'8
T	0	L 20'
U	10'+	L 10'
V	See NOTES Item # 3	
W	See NOTES Item # 4	

NOTES

ITEM # 1 The placement of Key Cone "M" is determined by placing a straight line between Key Cone "L" and Key Point "C". Where this line intersects the 14'8" outer diameter radius of the front tire circle is where Cone "M" is placed.

ITEM # 2 The placement of Key Cone "N" is determined by placing a straight line between Key Cone "L" and Key Point "C". Where this line intersects the 11' inner diameter radius of the front tire circle is where Cone "N" is placed.

ITEM # 3 The placement of Key Cone "V" is determined by placing a straight line between Key Cones "S" and Key Cone "G". Where this line intersects the 14'8" outer diameter of the rear wheel is where Key Cone "V" is placed.

ITEM # 4 The placement of Key Cone "W" is determined by placing a straight line between Key Cones "S" and Key Cone "F". Where this line intersects the 14'8" outer diameter of the rear wheel is where Key Cone "W" is placed.

ENTRANCE LANE

The right side of the entrance lane is formed by filling in the straight line formed in Item #1 between Key Cone "L" and Key Cone "M". The left side of the entrance lane is formed by making a parallel line 5' to the left of the right side of the entrance lane running up to Key Cone "O".

COURSE DESIGN AND CONE PLACEMENT FOR FRONT WHEEL

From Key Point "C" draw a circle to form the inner diameter of the front wheel using an 10'6" radius. Place cones at the 12 o'clock, 1:30, 3, 4:30, 6, 7:30, 9 & 10:30 positions. Repeat this process with a 15' radius to form the outer diameter of the wheel. **Front Wheel Only** At the 9 o'clock position there is only the outside (15') cone and there are no cones at the 10:30 position on the front wheel.

SECOND LANE The right side of the short second lane is laid out by placing a straight line between Key Cone "K" and Key Cone "P". The left side is formed by placing a straight line between Key Cone "J" and Key cone "B".

TOP LANE The right side of the top lane is formed by placing a straight line between Key Cone "K" and Key Cone "F". The left side of this lane is formed by placing a straight line between Key Cone "J" and Key Cone "U".

20' BOX (ENGINE) The 20 foot box is formed with Key Point "D" as it's center.

COURSE DESIGN AND CONE PLACEMENT FOR REAR WHEEL

From Key Point "E" draw a circle to form the inner diameter of the rear wheel using an 10'6" radius. Place cones at the 12 o'clock, 1:30, 3, 4:30, 6, 7:30, 9 & 10:30 positions. Repeat this process with a 15' radius to form the outer diameter of the wheel. The rear wheel inner diameter (10'6" mark) at the 3 o'clock position is Key Cone "S". The rear wheel outer diameter (15' mark) at the 3 o'clock position is Key Cone "T".

BOTTOM LANE The right side of the bottom lane is formed by placing a straight line between Key Cone "H" and Key Cone "Q". The left side of the bottom lane is formed by placing a straight line between Key Cone "I" and Key Cone "R".