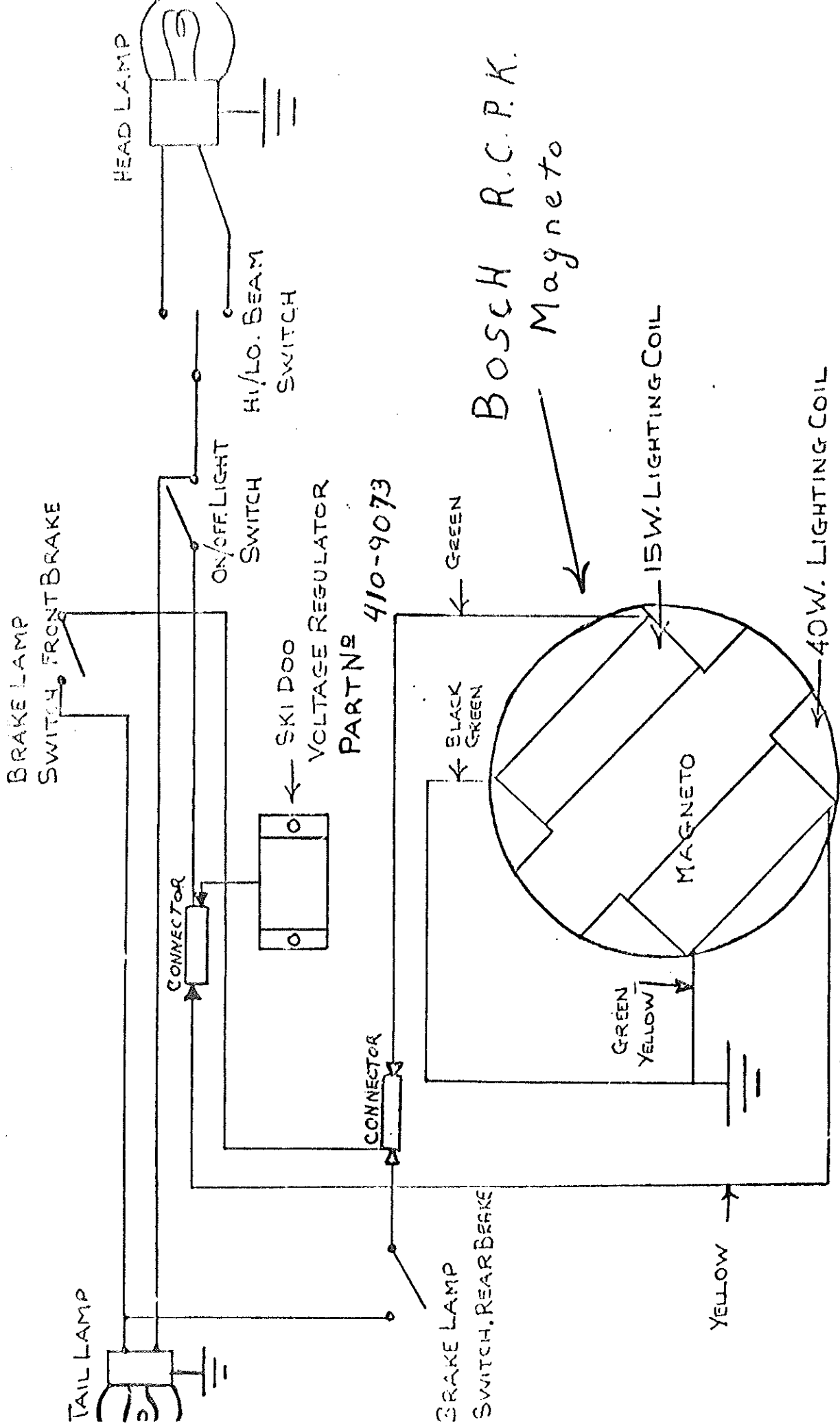


1975 CARBURETOR SPECIFICATIONS

	TNT 125	TNT 175	TNT 250	MX 2 125	MX 2 175	MX 2 250	GP 250
Carburetor type	Bing 32mm (type V-84)						
Main jet	150	155	150	155	155	155	155
Needle jet	2.73	2.73	2.73	2.70	2.70	2.70	2.70
Idle jet	40	40	40	40	40	40	40
Needle identification	4 ring	4 ring	4 ring	4 ring	4 ring	4 ring	4 ring
Needle setting	3rd	3rd	2nd	3rd	3rd	3rd	3rd
Slide	#1	#1	#1	#1	#1	#1	#1
Idle jet screw adjustment	1½ turn	1½ turn	1 turn	1½ turn	1½ turn	1½ turn	1 turn
Float level	1-1/32"	1-1/32"	1"	1"	1"	1"	1"



BOSCH R.C.P.K.
Magneto

WIRING DIAGRAM
FOR FITTING LIGHTS
ON V25/175 MX 1973-9
001

CAUTION! THIS SYSTEM RENDERS YOUR BIKE
ILLEGAL FOR ROAD USE.

1975 Cam-Am Specs

MX-2 GP 250

MX-2 250

MX-2 175

MX-2 125

TNT 250

TNT 175

TNT 125

	TNT 125	TNT 175	TNT 250	MX-2 125	MX-2 175	MX-2 250	MX-2 GP 250
Exhaust Port Height	26.3mm	27.5mm	29.2mm	27.5mm	28.5mm	29.2mm	29.7mm
Exhaust Port Width	36.0mm	41.0mm	50.0mm	40.0mm	44.0mm	54.0mm	55.0mm
Transfer Height	12.5mm	13.5mm	13.8mm	13.0mm	14.2mm	14.3mm	14.3mm
Compression Ratio (non-corrected)	13.0	13.0	13.0	14.5-15.0	13.5-14.5	13-14	13.5
Squish Area	1.1mm	1.2mm	1.2mm	1.1mm	1.2mm	1.0mm	1.27-1.4mm
Ignition Timing	1.2mm	1.2mm	1.2mm	1.0mm	1.07mm	1.2mm	1.2-1.1mm
Rotary Disc Opening (degrees)	137°	137°	137°	142°	142°	142°	140°
Rotary Disc Closing (degrees)	75°	75°	75°	85°	85°	85°	80°

Recommended exhaust system to be used with given port timing

- 745-002-010 745-002-011 745-002-005 745-002-008 745-002-009 745-002-007
- 745-003-005 745-003-005 745-002-012

All port measurements are in millimeters and measured from the inside of the cylinder and not including the chamfer.

All port heights are measured from the top of the piston ring to the top of the port when the piston is at bottom dead center. (BDC)

*N/A-not available at this time.

MX-2

MODEL	250	175	125
LIQUID CAPACITIES			
Gas tank	1.9 U.S. gal. - 1.6 Imp. gal.		
Oil tank	2.3 U.S. quarts - 1.9 Imp. quarts.		
Transmission	1.2 U.S. quarts - 1 Imp. quart.		
Fork (each leg)	6.8 fl. oz. (200 cc)		
POWER TRAIN			
Primary drive	Straight cut & ground gears.		
Primary drive ratio	2.91 (23 / 67)	3.286 (21 / 69)	3.286 (21 / 69)
Clutch	Multi plate 6 discs - oil bath.		
Transmission	Constant mesh - 6 speed.	6 speed	6 speed
Gear ratio 1st	2.38 (13 / 31)	2.66 (12 / 32)	
2nd	1.75 (16 / 28)	2.07 (14 / 29)	
3rd	1.39 (18 / 25)	1.58 (19 / 27)	
4th	1.095 (21 / 23)	1.31 (19 / 25)	
5th	0.913 (23 / 21)	1.09 (21 / 23)	
6th	-	0.96 (22 / 21)	
Chain	No 520		
Number of pitches	104	102	104
Engine sprocket	14T	13T	13T
Rear wheel sprocket	47T	47T	50T
Ratio	3.36	3.61	3.85
Overall ratio (high gear)	8.93	11.40	12.13
CARBURATION			
Carburetor type	Bing 32 mm (type V-84)		
Main jet	155		
Needle jet	2.70		
Idle jet	40		
Needle identification	4 groove.		
Needle setting	3rd groove from top.		
Slide	No. 1		
Idle jet screw adjustment	1 1/4 " turn out.		
Float level	25 mm (1").		
Air filter	Foam (oil impregnated)		
ELECTRICAL			
Ignition system	Bosch electronic C.D.I.	Motoplaf C.D.I.	Motoplaf C.D.I.
Maximum ignition output	30,000 volts.	40,000 volts	40,000 volts
Ignition timing at 9000 R.P.M.	1.2 mm BTDC (15°)	1.1 mm BTDC (14°)	1.0 mm BTDC (14°)
Spark plug type	14 mm - 3/4 " reach.		
Spark plug number	Champion N59G.		
Spark plug gap	0.020" (0.5 mm)		

SPECIFICATIONS

MX-2

MODEL	250	175	125
DIMENSIONS			
Overall height	45"		
Overall width	34"		
Seat height	33½"		
Ground clearance	7"		
Wheelbase	55"	54½"	54½"
Overall length	84"		
CHASSIS			
Type	Tubular double loop space frame with tapered backbone.		
Front suspension	"Betor" teledraulic 6.5" travel.		
Rear suspension	S & W shocks	Girling shocks	Girling shocks
Fork angle	30° std, 25° to 31° adj.		
Brake front	Drum, single leading shoe 6" Ø x 1"		
Brake rear	Drum, single leading shoe 6" Ø x 1"		
Rim front	WM1 x 21 Alloy, low profile.		
Rim rear	WM2 x 18 Alloy, low profile.		
Tire front	3.00 x 21 Knobby	3.00 x 21	3.00 x 21
Tire rear	4.60 x 18 Knobby	4.10 x 18	4.10 x 18
Spokes front	3.5 mm		
Spokes rear	R.H. butted 4.5 mm / L.H. 3.5 mm		
Levers clutch / brake	Magura power / forged.		
Throttle	Magura ¼ turn.		
Handlebar	Chrome-moly, low profile V- brace, black.		
Gross weight	230	227	
Weight (dry)	213	210	
ENGINE			
Type	Rotary valve, 2 stroke, single cyl. air cooled.		
Bore	74 mm (2.914 in.)	62 mm (2.441")	54 mm (2.126")
Stroke	57.5 mm (2.264 in.)	57.5 mm (2.264")	54 mm (2.126")
Displacement	247 cc (15.09 cu. in.)	173.6 cc (10.60 cu. in.)	123.7 cc (7.54 cu. in.)
Compression ratio (uncorrected)	13.5:1	14:1	15:1
Horsepower at R.P.M. at rear wheel	35 at 8,600 R.P.M.	30 at 8,700 R.P.M.	24 at 9,000 R.P.M.
Lubrication	Oil injection, fixed volume.		
Starter	Foot operated, L.H., in gear starting.		

1975 TENTS

MODEL

CARBURATION

Carburetor type	Bing 32mm (type V-84)	
Main jet	150	155
Needle jet	2.73	2.73
Idle jet	40	40
Needle identification	4 groove	4 groove
Needle setting	2nd groove from top	3rd from top
Slide	No. 1	No. 1
Idle jet screw adjustment	1 turn out	1 1/2 turns
Float level	25mm (1")	26.2mm (1 1/32")
Air filter	Foam (oil impregnated)	*

ELECTRICAL

Ignition system	Bosch electronic CDI	Bosch CDI
Maximum ignition output	30,000 volts	30,000 volts
Maximum alternate output	55W	55W
Ignition timing at 7000 RPM	1.4mm BTDC (16°)	1.3mm BTDC (16°)
Spark plug type	14mm - 3/4" reach	
Spark plug number	Champion N57G	Champion N57G
Spark plug gap	0.020" (0.5mm)	0.020" (0.5mm)
Battery (12 volts)	Yuasa 12N5-43	Yuasa 12N5-43
Battery rating	5A/H	5A/H

CHASSIS

Type	Tubular double loop space frame with tapered backbone.	
Front suspension	"Betor" telehydraulic 6.5" travel.	
Rear suspension	S & W shocks	
Fork angle	30° std, 25° to 31° adj.	
Brake	front	Drum, single leading shoe 6" x 1"
	rear	Drum, single leading shoe 6" x 1"
Tire	front	3.00 x 21
	rear	4.00 x 18
Gross weight		259 lbs.
Weight (dry)		244 lbs.
* Same specifications as previously shown		339 lbs.

1975 T'NTS

MODEL

250

175

125

LIQUID CAPACITIES

Gas tank 2.5 U.S. gal. - 2.1 Imp. gal.
Oil tank 2.3 U.S. quarts - 1.9 Imp. quarts.
Transmission 1.2 U.S. quarts - 1 Imp. quart.
Fork (each leg) 6.8 fl. oz. (200cc)

POWER TRAIN

Primary drive
Primary drive ratio 3.286 (21/69) *
Clutch
Transmission
Gear ratio 1st 3.40
2nd 2.31
3rd 1.68
4th 1.31
5th 1.095
6th 0.96

Chain No 520
Number of pitches 102
Engine sprocket 15T
Rear wheel sprocket 42T
Ratio 2.80
Overall ratio (high gear) 7.44

Straight cut & ground gears 3.286 (21/69) *
2.91 (23/67)
Multi plate 5 discs - oil bath.
Constant mesh-5 speed 6 speed
2.91 3.40
1.86 2.31
1.39 1.68
1.095 1.31
.913 1.095
0.96

6 speed
3.40
2.31
1.68
1.31
1.095
0.96

102
14T
42T
3.00
8.38

DIMENSIONS

Overall height 45"
Overall width 34"
Seat height 33"
Ground clearance 7"
Wheelbase 55"
Overall length 84"

45"
34"
33"
9"
55"
84"

* Same specification as previously shown

1975 T'NTS

MODEL

ENGINE

Type Rotary valve, 2 stroke, single cyl. air cooled.
Bore 74mm (2.914 in.) 62mm (2.441") 54mm (2.126")
Stroke 57.5mm (2.264 in.) 57.5mm (2.264") 54mm (2.126")
Displacement 247cc (15.09 cu. in.) 173.6cc (10.60 cu.in.) 123.7cc(7.54 cu.in.)
Compression ratio (uncorrected) 13:1 13:1 13:1
Horsepower at RPM at rear wheel 29 at 8000 RPM 24 at 8500 RPM 19 at 8500 RPM

Lubrication Oil injection, fixed volume.
Starter Foot operated, L.H., in gear starting.