ROYAL ENFIELD	TECHNICAL DOCUMENT		

Title: VIN PUNCHING DETAILS FOR US(49 STATES), CANADA & CALIFORNIA MODELS WITH P PLATFORM ENGINE as per FMVSS 49CFR-Part 565	**Technical Doc.No.**	**Date: 12.04.2019**
	T4200516	**Sheet 1 of 2**

VIN Details:

Letter / Numeral Size of VIN : 4mm(Min)

MODEL	DIGIT																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Continental GT 650 / INT 650	M	E	3	F	P	N	4	7	To be arrived	Refer Table 1	C (or) K (or) V	7	0	0	0	0	1
	WMI			Vehicle Description					Check digit	Model Year	Plant Location	Engine Capacity	Running Serial Number				

Description

1-3   World manufacturer identification (WMI)

       ME3

4   Make and Type

       F - Royal Enfield Highway Motorcycle

5   Line

       P - P Product Family

6   Engine Type

       N - (P1-648) Parallel, Twin cylnder, 648cc engine capacity, Fuel Type - Unleaded 91 RON or Higher

7-8   Net brake horse power of the engine in hp

9   Check digit - Refer sheet 2/2 to calculate

10   Model year - Refer table 1

11   Plant location

       C - Chennai, Tamilnadu

       K - Kanchipuram, Tamilnadu

       V - Vallam, Tamilnadu

12   Engine capacity

       7 - indicating 648cc

13 - 17   Running serial number

TABLE 1					
YEAR CODES FOR VIN					
2016	G	2026	T	2036	6
2017	H	2027	V	2037	7
2018	J	2028	W	2038	8
2019	K	2029	X	2039	9
2020	L	2030	Y	2040	A
2021	M	2031	1	2041	B
2022	N	2032	2	2042	C
2023	P	2033	3	2043	D
2024	R	2034	4	2044	E
2025	S	2035	5	2045	F

Sign	
Date	
DR No.	
Issue	

Prepared by: Signature: Name: M.R.SIVARAMAKRISHNAN

Checked by: Signature: Name: M.GOVINDARAJU

Approved by: Signature: Name: R.ANBUSELVAN

Details:

Check digit calculation

Check digit is to be calculated as per the steps given. Refer sample calculation.

1) Fill the VIN except check digit in row 1

2) Assign value for each digit in row 2 as per the following

- For alphabet refer table A for the respective value

- For numerical the same value is applicable

3) Give respective weight factor for each digit in row 3 as per table B

4) In row 4 multiply assigned value (row 2) and weight factor (row 3)

5) Add the values in row 4 for all the digits (except 9)

6) Divide the added value (sum) by 11

7) The remainder is the check digit number

Row	VIN POSITION	DIGIT																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1	Sample VIN	M	E	3	F	P	N	4	7	7	J	K	7	0	0	0	0	5	
2	Assigned Value (AV)	4	5	3	6	7	5	4	7		1	2	7	0	0	0	0	8	Table A
3	Weight Factor (WF)	8	7	6	5	4	3	2	10		9	8	7	6	5	4	3	2	Table B
4	Add Products(AV x WF)	32	35	18	30	28	15	8	70		9	16	49	0	0	0	0	16	326

Divide the sum by 11. I.e:326/11 = 29 7/11. The remainder is "6" and **this is the "Check" or " 9th" digit of the VIN.**

Note : If the remainder is 10 the letter "X", shall be used to designate the Check digit.

If a calculator is used, the decimal remainder and check digit will be as follows :

Fractional Remainder	0	1/11	2/11	3/11	4/11	5/11	6/11	7/11	8/11	09/11	10/11
Decimal Equivalent Remainder	0	.09	.18	.27	.36	.45	.54	.63	.72	.81	.90
Check Digit	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**X**

TABLE A		
ASSIGNED VALUES FOR THE ALPHABETS		
A = 1	J = 1	T = 3
B = 2	K = 2	U = 4
C = 3	L = 3	V = 5
D = 4	M = 4	W = 6
E = 5	N = 5	X = 7
F = 6	P = 7	Y = 8
G = 7	R = 9	Z = 9
H = 8	S = 2	

TABLE B	
VIN POSITION AND WEIGHT FACTOR	
1st - 8	10th - 9
2nd - 7	11th - 8
3rd - 6	12th - 7
4th - 5	13th - 6
5th - 4	14th - 5
6th - 3	15th - 4
7th - 2	16th - 3
8th - 10	17th - 2
9th – (Verification digit)	

Sign			
Date			
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Prepared by:	**Checked by:**	**Approved by:**
Signature:	Signature:	Signature:
Name: M.R.SIVARAMAKRISHNAN	Name: M.GOVINDARAJU	Name: R.ANBUSELVAN