

### PRE-WAR NON 350 cc MODELS

<u>YEAR</u>	<u>APPROXIMATE ENGINE No</u>
1923	4200-7550
1924	7551-11900
1925	11901-27500
1926	27501-32800
1927	32801-36900
1928	36901-41000
1929	41001-45600
1930	45601-49250
1931	49251-51820
1932	51821-54120
1933	54121-56410
1934	56411-59499
1935	59500-62800
1936	62801-69800
1937	69801-81500
1938	81501-87920
1939	87921-94700

### POST WAR MODELS, LATER YEAR PREFIXES

<u>YEAR</u>	<u>CODE LETTER</u>	<u>APPROXIMATE S/N RANGE</u>
1946	A	1001-6550
1947	B	6551-13350
1948	C	13351-18600
1949	D	18601-25400
1950	E	25401-33905
1951	F	33943-40320
1952	G	40321-47299
1953	H	47300-52800
1954	J	52801-59199
1955	K	59200-64550
1956	L	64561-70094
1957	M	70095-75050
1958	N	75051-79300
1959	P	79301-84500
1960	R	84501-92269
1961	DIS	92270-99497
1962	DIS	99498-104000
1963	DIS	104001-108000

### PRE -WAR 350 cc MODELS

<u>YEAR</u>	<u>APPROXIMATE ENGINE No</u>
1929-1936	1000-6200
1937-1939	6201-10700

Norton would incorporate the numbering system and stamp it on the left hand crankcase immediately below the cylinder barrel flange. As an example a crankcase stamped:-

54260

J4

Would be a 1954 ES2

## MODEL IDENTIFICATION CODES

Engine and Frame numbers are identical on all Norton motorcycles from 1946. All engine and frame numbers are prefixed by a letter and a number to identify the year of manufacture:

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>CODE NUMBER</u>
Model 16 16H	Sidevalve 500 single	2
Model 18	OHV 500 Single	3
ES2	OHV 500 Single	4
Model 20	OHV 500 Single	5
Model 19R	Rigid OHV 600	6
Model Big Four	Rigid sidevalve 600	7
Model Big four	Spring sidevalve 600	8
Model 19S	Spring 600 Single	9
Model 40	Inter 350 single	10
Model 40M	Manx 350 single	10m
Model 30	Inter 500 single	11
Model 30M	Manx 500 single	11m
Model 50	350 single	13
Domi 7	500 twin	12
Model 77	500 twin	M
Nomad	600 twin	16
Model 88	500 twin	122
Model 99	600 twin	14
Matchless M15	750 twin	M
Norton N15	750 twin	N
P11	750 twin	P11 or 20
Jubilee	250 twin	17
All 650s		18
Naviator	350 twin	19
Atlas	750 twin	20
Early Commando	750 twin	20

# TWIN CYLINDER MODIFICATION LIST

<u>Serial No</u>	<u>Modifications</u>
111379	Rear chain replaced by 5/8 x 3/8 adjuster hole in primary chaincase for clutch push rod. rubber grommet part number 25341 used to seal. Timing cover modified for vertical rev counter cable take off. Cross tube in frame welded in instead of secure with long studs and nuts.
111920	Stronger connecting rod introduced. This is identified from the side view by the channel of the I section merging into a blunt V towards the big end eye compared with A channel which widens slightly all the way down to the B/E eye.
114870	Spigotless cylinder barrels and cylinder heads without recesses for same. Copper/asbestos gaskets replaced with hallite or klingerite. Rocker bearing bosses reduced in width by 1/4 to give more aluminum support for the rocker shafts at the outside end on each side of the head. Therefore to fit wide rockers in a narrow head 1/4 should be ground off the left side of the L.H. rockers and the right side of the R.H. rockers.
116372	Double speed oil pump drive 6 start. Bleed holes in con rods. Wellworthy duaflex piston rings. Larger oilways and pipes and junction block. Pressure oil feed to valve gear. Plain rocker spindles with flats facing opposite, intakes facing rearwards and ex. Facing forward compared with earlier scrolled spindles where flats should face one another i.e. inlet forward and exhaust rearward.
121307	Monobloc carbs replaced with concentric and a return made to coil ignition with twin coils and twin contact breakers in a housing which replaced the magneto.
125780	Last Atlas
125871	Valve stems lengthened by 1/8 and push rods shortened by similar amount.
126125	First Commando
128646	New type sleeve gear and layshaft pinion tooth form.
129897	Rear wheel security bolt.
129897	MK2 type frame
130979	Apex oil control ring
131257	Engine pre-fix 20M3S. Points in timing cover, internal rpm drive, fastback, S type and roadster.
132576	Fibre clutch friction plates.
133488	3rd gears in stronger material.
134108	First engine built in Wolverhampton works, all engine suffix P built at Plumstead Matchless London

**134738** Hylomar Rolls Royce sealing compound.

**136618** Starter motor blanking plate fitted original starter to fit in old magneto recess.

**140061** Plastic rocker feed pipe.

**141783** New style. Non adjustable tyre with 4:10 front tyre, Lucas h/bar switches, centre stand on engine plate was on frame fastback, roadster, SS and high rider, also fastback long range steel tank.

**146584** New type SE oil control ring.

**147730** Rear brake drums screwed and riveted.

**147846** Toughened kickstart pawl.

**148895** Modified inlet valve guide

**149670** Oil seal fitted to inlet guide.

**150120** Oil pump gasket fitted.

**151175** Increased chamfer on tappets to increase oil drain flow.

**152000** Rear drum strengthening webs.

**152499** Replaceable footpegs.

**153150** Riveted clutch back plate.

**153324** Tachometer housing gasket.

**153362** Chaincase cap o rings.

**2000** Breather moved to between gearbox plates on back of crankcase. On left hand end of camshaft. Engine no pre fix discontinued optional disc brake and combat engine. .  
Fast.back, Roadster, Hi-rider and Interstate.

**200004** Commando std cylinder head with increased inlet valve support deleting 2 NM23392 heat insulating - washers oil feed return pipes 612200 commonized to 17".

**200708** Tappet locating plate replaces NM12142 to accommodate 1972 combat camshaft.

**200976** First combat engine.

**201778** Clutch plate scrolled groove.

**202116** Four terminal master switch.

**202341** Valve spring bottom seat washer thinned to accommodate cylinder head variations to 202666.

- 202666** Cylinder head amended to accommodate NMT2073 heat insulating washers i.e. reverted to 060988 -1971.
- 202760** Revised front brake lever-disc master cylinder.
- 203136** Front drum brake support plate introduced
- 203200** Steel gas tank and side covers roadster.
- 203884** Copper sealing washers under rocker spindle plate bolts.
- 220000** Black instrument cases, square rear light. Disc brake on all but High Rider. Roadster, Interstate and high Rider.
- 300000** 850 motor, balanced exhaust system, roadster, interstate and High Rider. All disc brake.
- 306591** Homologated model for Europe with large black air box and peripheral discharge silencers. Roadster and Interstate only.
- 307311** 850 motor with black barrel, available as homologated model roadster and interstate only, called MK2A for Europe. For USA with old type silencers and air filter Roadster, Interstate and High Rider called MK2.