

## DEVELOPMENT of ROYAL ENFIELD INTERCEPTORS – SERIES 1

**YB prefix 736cc engines; & cycle parts for export machines, but not home market**

Chris Overton 30My08

For UK cycle parts see spares list printed in England

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Engine No.	Engine date	Frame No.	Dispatch date	
YB 15446	01No63		14No63	<p>First 1964 model engine, prefix YB                      New deluxe model w/12V &amp; zener diode voltage regulation, or standard w/6V and less chrome.                      Die cast heads; with balance pipe added to improve idling                      Magneto 42442A w/auto advance replaced 42369B w/manual advance.                      389/205 &amp; 689/205 Monobloc LH &amp; RH carbs replaced 389/85 w/ float chamber &amp; chopped 389/86.                      Two gas taps w/ filter 46895 replaced single tap PN 46080. (<i>difference?</i>) Feed pipes changed to suit.                      Optional push-pull gas tap w/reserve 36583 discontinued.                      Lighter clutch springs, 13 &amp; 14 Ga., replaced 12 &amp; 13 Ga.                      Drive sprocket H49/20 (20 teeth) replaced H49/21 (21 teeth)                      Magnetic speedo (120 mph, no trip meter) SSM.3002/00 replaced chrono SC.1304/02 (150 mph);                      magnetic tach RSM.3004/02 replaced chrono RC.184 (both 8000 rpm). Cables changed to suit.                      Security bolt 28264 deleted from front wheel. WM2-19 rim 37639 replaced PN 42961.                      Alloy rear brake cover plate replaced steel. Fixed wheel spindle &amp; brake lever return spring changed to suit. LH hub distance collar, brake cam bush w/pins &amp; nut deleted. Brake cover plate screw added.                      Girling rear dampers replaced Armstrong.                      Rear mudguard 48084 replaced 2 piece detachable part PN 45783 and fixed part PN 41596                      Rear mudguard carrier 45780 w/front seat brackets affixed further back and higher replaced PN 42274                      Dual seat 46810B (slab-like) replaced PN 45815 (shaped). Front brackets changed to suit.                      New toolbox 47965 to fit new battery, replaced PN 46404                      Rear chainguard 48055 replaced PN 45791A (<i>difference?- length? Front attachment point? Finish?</i>)</p>
YB15468	06No63			<p>First engine with W35344/5 sports cams (marked R), replacing two 32705A cams, for USA spec.  <i>Information originates in engine factory records. Given engine had quick change cams, and sports cams were long available, the record must refer to normal production. Earlier ads claim 120 mph.)</i>                      Inlet cam sprocket 42507, marked A, available to improve performance over 90 mph(<i>Date available?</i>)</p>
YB15918				<p>First UK engine with W35344/5 cams, replacing two 32705A cams.</p>
			? '64	<p>Fork main spring 48228 (1<math>\frac{1}{8}</math>"x2<math>\frac{1}{4}</math>", 6Ga.) replaced PN 41952 (1<math>\frac{1}{8}</math>"x2<math>\frac{1}{4}</math>", 5<math>\frac{1}{2}</math>Ga.). Shop manual p.45 has more on springs available, and gauges of main tubes.</p>
			later '64	<p>Lucas 8H horn replaced Lucas HF 1234</p>
YB16150	30De64			<p>Last engine in 1964. Gearbox prefixes used in calendar year: AGV, AGW, AGX, AGY, AGZ</p>

YB16151	07Ja65			<p>First engine in 1965.  Standard model w/6V discontinued.  389/225 &amp; 689/225 carbs available for '65 &amp; '66. As /205 but richer settings for California market.  389/226 carb available for single carb model 1965 only. All carbs 1 3/16" bore.</p>
				<p>All bikes to USA spec. UK spec. bikes discontinued (short swingarm, casquette, fuel tank, front springs, etc.). Sidecar spec. still available, but trail reducing lugs on fork ends discontinued.</p>
	?			<p>Exhaust pipes 40667 &amp; 40666 replaced PN's 49563 &amp; 49565 (<i>difference? 45668 &amp; 45670 also used</i>)</p>
YB16494	? '65			<p>All subsequent engines fitted with 1 compression plate 46193 under each barrel.</p>
YB16507	18Au65			<p>First engine with resistive high tension leads.</p>
YB16573	29Se65			<p>New drive side crankcase w/fixed camshaft bushes.</p>
YB16788	30De65			<p>Last engine in 1965. All gearboxes in calendar year AGZ</p>
YB16789	06Ja66			<p>First engine in 1966</p>
				<p>ad by US distributors for 1966 Interceptors offers 3 models:  Custom, w/ 1 carb &amp; accelo cams; G.T., w/2 carbs &amp; accelo cams; and T.T., w/2 carbs &amp; race cams.  <i>(Were accelo cams on old stock bikes? Or was this a reversion to touring cams? Or loose naming practices by sales people? T.T. had inlet cam sprocket with more advance.)</i>  Magneto, toolbox, small painted tank w/chrome panels, optional cooling discs on front wheels.</p>
YB 16825	17Fe66			<p>Last 1966 model engine. All gearboxes to date in calendar year AGZ</p>