

DEVELOPMENT of ROYAL ENFIELD INTERCEPTORS – SERIES 1

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

Chris Overton 21Mr08

For UK cycle parts see spares list printed in England

© copyright

Engine No.	Engine date	Frame No.	Dispatch date	
YA15001	29Mr62			1 st 736cc engine. “1146 Sanction” for 350 engines. (Each production batch was authorized with a sanction number.) Super Constellation in engine factory records; 750 Interceptor & 750 Constellation in dispatch records
				Dual exhaust standard (siamese exhaust available 1963 & '64) Two 32705A cams replaced exhaust 32705 & inlet 32706 touring cams of previous twins. Marked w/ part numbers, or IN & EX, or IN2 & EX2.
YA 15079				Added heat insulating spacer for carb, w/ longer mounting studs
			04My62	First mention of 750 Interceptor in Redditch dispatch records.
YA15090	13Jl62		03Se62	Last mention of 750 Constellation in Redditch dispatch records.
YA15090 (approx.)	(13Jl62)			Drive side case altered to give sprocket clearance. (<i>different part numbers apply?</i>) Engines for British market fitted with compression plates 46193.
				Motorcyclist Magazine ad by US distributors announcing, for August 1 st , the 1963 Enfield 45 cu. in. Speeds in excess of 120 mph. (Also shows 750 Constellation w/ Interceptor engine, casquette, & enclosure tinware.)
YA15100	13Jl62		16Au62	Big end bolt torque 300 – 320 inlb. Previously 22 ftlb.
YA15100			26Mr64	Engine number duplicated in error, as Enfield was prone to do. Useful guidance for all these “facts”.
YA15163	02No62		19No62	Rocker oil relief valve plug 46197 replaced smaller PN 34424. Parts book dates this as “later 1963”, showing importance of differentiating calendar years from model years.
YA15167	08No62	11632		Copper rocker oil pipes 47702 & 47705 replaced plastic w/braided cover & thimble ferrules. Crankcase breather body and pipe assembly 47672 w/ banjo end replaced PN 45315 w/union end. Breather union (on oil tank) 46195 replaced PN 45311, to add insert connection for breather tube. Breather neoprene tube (~3' long) 47674 added. Lighting switch moved from headlamp to fork head. Fork head 47656 replaced PN 42442 (Both black enamel). Light switch adapter 46949 and washer 16510 added to fit new fork head. Steering damper rod & wing bolt style knob 45087 replaced round PN 41426, for light switch access. Combined horn push / dimmer 31563D replaced dipper switch 31549B and horn push 76204D. Handlebar 45636A w/ screw holes for horn push / dimmer replaced PN 45636. Silicon rectifier & rectifier clip 39621 under tank, replaced selenium rectifier 47132B & bracket 39878 under seat. Cable plug clip 47396, QD plugs 42775 (5 pin) & 42776 (3 pin) deleted from under petrol tank.

				Headlamp 58937A incorporating QD wiring plug, replaced PN 51751A with switch. Wiring harness 54932571A replaced PN 839800 to accommodate the wiring changes. Gearbox sprocket cover 46073 (extends over g'box), w/ brkt 46075 and fasteners, replaced PN 42650
		11657	later '63	¼" adjusters w/locknuts added to handlebars; later (<i>when? Probably soon</i>) changed to 5/16". Cables changed to suit. Magneto advance combined w/ clutch lever bracket, air slide control combined w/ brake lever bracket.
			later '63	Fork head changed from black enamel 47656 to polished alloy 47656A.
			"	Fork cover tube & headlamp lug 47865/6 replaced fork cover tube 47245/6 & headlamp brackets 42821 (4 steel strips)
			"	Trip meter deleted from speedo. SC.3303/01 to SC.1304/02 (Both 150 mph chronometric)
YA15196	03De62		23Fe63	Last engine in 1962. Gearbox prefixes used to date: AGF, AGG, AGH, AGJ, AGO.
YA15197	10Ja63			First engine in 1963.
YA15217	16Ja63			RM19 alternator replaced RM15. 1 7/8" fixing studs 46199 replaced 2 5/32" long PN 45433.
YA15296	25Ap63			New USA type con rod bolts. Torque 275 in-lbs. (<i>part numbers?</i>)
YA15305	03My63			New clutch w/plain centre bearing replaced ball bearing; thicker splined washer; new clutch center drum & back plate assembly; new clutch center; and new clutch front plate. Neo Lanlite bonded cork linings replaced cork inserts.
	? 1963			Engine production moved from Bradford-on-Avon to Upper Westwood.
YA15411	15Au63			Inner chaincase 45372A & outer 48008 ("teardrop" case w/1 inspection cover) replaced PN's 45372 & 43405.
YA154??	02Se63			New "Unbrako" con rod bolts. Identify by thin knurled band on bolt heads. (<i>part numbers?</i>)
YA15445	30Oc63	11965	30De63	Last 1963 model engine. Gearboxes used to date: AGD, AGF, AGG, AGH, AGJ, AGO, AGP, AGR, AGS, AGT, AGV.