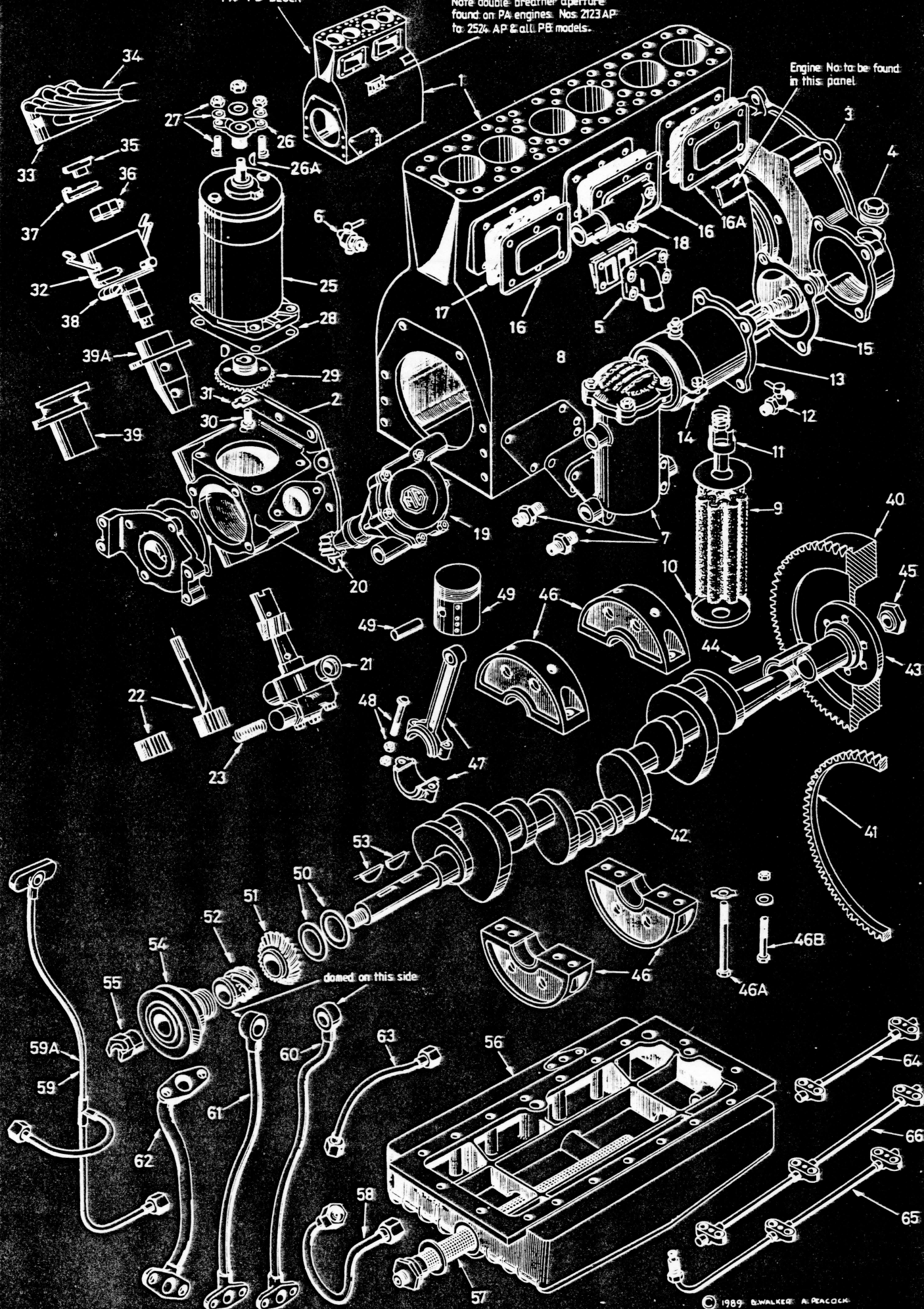


Note double breather aperture found on PA engines Nos 2123 AP to 2524 AP & all PB models.

Engine No to be found
in this panel



The exploded views of an N series engine are given only as a guide to the general placement of all parts on a later o.h.c. engine. Individual MMM engines differ and reference should be made to the manual appropriate to the car in question to ascertain individual part identification.

REMEMBER: All parts illustrated are N series components except Nos. 39A, 64 & 65.

STATE CLEARLY MODEL TYPE WHEN ORDERING

MMM Engine (Later Style) Lower

Models P,L,K,N

PA/PB owners must refer to this section for engine components.

Pic.	Part	Description and Remarks	Model	Qty.	Pic.	Part	Description and Remarks	Model	Qty.
1	530	Cylinder block, new. Fully machined — bare.	P	1	37	562	Contact point set (all types).	P,L,K,N	Set
1	540	Cylinder block, new. Fully machined — bare.	L/K	1	38	447*	Distributor to housing locking plate.	P,L,K,N	1
1	550	Cylinder block, new. Fully machined — bare.	N	1	39	563	Distributor spacer (adaptor) housing.	P,N	1
1	530A*	Cylinder block, secondhand — bare.	P	1	39A	564*	Distributor spacer (adaptor) housing.	L,K	1
1	540A*	Cylinder block, secondhand — bare.	L/K	1	40	565	Flywheel.	L,K	1
1	550A*	Cylinder block, secondhand — bare.	N	1	40	566	Flywheel.	P,N	1
2	531*	Front main bearing housing.	P,L,K,N	1	41	455	New flywheel ring gear (83 teeth).	P,L,K,N	1
3	532	Rear main bearing (flywheel) housing.	P,L,K,N	1	42	567*	Original crankshaft type (all models) (Not illus.).	P,L,K,N	1
4	429*	Starter pinion inspection plug.	P,L,K,N	1	568		(As with J types, we offer a fully counterbalanced crankshaft in EN40B, toughened & nitrided, complete with rear main journal flange & lip seal.).	PA,PB	1
5	533	Engine block (double) breather pipe.	PA (from eng. 2123AP)				(As with J types, we offer a fully counterbalanced crankshaft in EN40B, toughened & nitrided, complete with rear main journal flange & lip seal.).	L,K	1
			PB,NB	1			(As with J types, we offer a fully counterbalanced crankshaft in EN40B, toughened & nitrided, complete with rear main journal flange & lip seal.).	NA,NB	1
6	427	Cylinder block drain cock.	P,L,K,N	1	569		(As with J types, we offer a fully counterbalanced crankshaft in EN40B, toughened & nitrided, complete with rear main journal flange & lip seal.).	P,L,K,N	1
7	534*	Oil filter housing assembly complete with unions.	P,N	1	570		(As with J types, we offer a fully counterbalanced crankshaft in EN40B, toughened & nitrided, complete with rear main journal flange & lip seal.).	P,L,K,N	1
7A	534A*	Oil filter housing assembly complete with unions.	L,K	1	43	571*	Original type crankshaft rear main flange.	P,L,K,N	1
8	535*	Oil filter housing lid.	P,L,K,N	1	44	572*	Crankshaft to crankshaft-flange securing key.	P,L,K,N	1
9	536	Oil filter element (felt.).	P,L,K,N	1	45	573	Crankshaft/flywheel retaining nut 3/4" or 5/8".	P,L,K,N	1
10	537	Oil filter element bottom location plate.	P,L,K,N	1	46	574*	Crankshaft intermediate main bearing assembly.	PA/PB	1
11	538	Oil relief valve assembly.	P,L,K,N	1				L/K/N	2
12	539	Oil pressure gauge take-off tap.	P,L,K,N	1	46A	575*	High tensile intermediate main bearing bolt (long).	P,L,K,N	2/4
13	430*	Starter motor. Lucas type M35 A/O.	P,L,K,N	1	46B	576*	High tensile intermediate main bearing bolt (short).	P,L,K,N	2/4
14	430A*	Starter motor dust cover.	P,L,K,N	1	47	577*	Connecting rod & end cap.	P,L,K,N	4/6
15	431*	Starter motor spacer ring.	P,L,K,N	1	578		(A specially forged high performance con. rod is available to special order.).	P,L,K,N	4/6
16	541	Water jacket plates. Set of 2 (1 plain/1 flanged).	PA,PB	Set	48	579	Big end bolt & nut. Top quality, H.T. & ground.	P,L,K,N	8/12
16A	542	Water jacket plates. Set of 3 (2 plain/1 flanged).	L,K,N	Set	49	580	Piston 57mm STD, solid skirt, oval ground, 3 ring type. (+20, +30, +40, +60 oversizes are all available).	P,L,K,N	4/6
17	716	Gasket, rubber, for water jacket plate.	P,L,K,N	2/3	50	581	FULLY FLOATING gudgeon pins with circlips.	P,L,K,N	1
18	544*	Water inlet elbow (bronze).	P,L,K,N	1	50A	581A	Main bearing ball race.	P,L,K,N	Set
19	545	Water pump complete with driven gear.	P,N	1	51	582*	Crankshaft thrust washer set (hardened & ground).	P,L,K,N	1
19	546	Water pump complete with driven gear.	L,K	1	52	583*	Crankshaft mounted dynamo drive gear.	P,L,K,N	1
20	547	Water pump driven gear.	P,N	1	53	584*	Crankshaft mounted oil pump drive gear.	P,L,K,N	2
20	548	Water pump driven gear.	L,K	1	54	585*	Woodruff Keys to mount Part No. 583/584.	P,L,K,N	1
21	549*	Oil pump complete.	P,N	1			Front crankshaft oil thrower & pulley. (Pulley was supplied to enable supercharging via belt drive.).	P,L,K,N	1
21	549A*	Oil pump complete.	L,K	1	55	586	Starting handle dog.	P,L,K,N	1
22	551	Oil pump gear set.	PA	Set	56	587*	Sump, alloy, finned.	PA,PB	1
22	552	Oil pump gear set.	PB,NA,NB	Set	56	588*	Sump, alloy, finned.	L,K	1
22	553	Oil pump gear set.	L,K	Set	56	589	Sump, alloy, finned (Superb new units — not an L/N compromise).	NA,NB	1
23	450	Oil pressure relief spring (oil pump).	P,L,K,N	1	57	590*	Sump filter & union complete.	P,L,K,N	1
24	554	Oil pump driven gear.	P,N	1	58	591*	Oil feed pipe — sump to oil pump.	P,L,K,N	1
24	555	Oil pump driven gear.	L,K	1	59	592*	Oil feed pipe — oil filter assembly to metering pin in head.	P,N	1
25	434*	12v vertical dynamo (type Rotax/Lucas type DDS 14).	P,L,K	1	59A	592A*	Oil feed pipe — oil filter assembly to metering pin in head.	L,K	1
25	434A	Your dynamo — fully reconditioned	P,L,K	1	60	593*	Oil drain pipe — rear of head to base of block.	P,N	1
25	556	12v Vertical dynamo (type Rotax AT174).	N (some K types)	1	61	594*	Oil drain pipe — cyl. head to base of block.	P,N	1
25	556A	Your dynamo — fully reconditioned	N (some K types)	1	62	595*	Oil drain pipe — vert. drive gallery to fr. main hsg.	P,L,K,N	1
26	435	Dynamo universal joint fork (deep or shallow).	P,L,K	1	63	596*	Oil pump to oil filter housing feed pipe.	P,L,K,N	1
26	557	Dynamo joint fork (tapered, for type AT174).	N (some K types)	1	64	597*	Main oil feed pipe to bearings.	PA,PB	1
26A	436	Woodruff key for dynamo fork.	P,L,K,N	1	65	598*	Main oil feed pipe to bearings.	L/K	1
27	437	Special bolt & nut for dynamo coupling.	P,L,K,N	2	66	599*	Main oil feed pipe to bearings.	NA/NB	1
28	438	Dynamo base shims (0.003"/0.005"/0.007"/0.015").	P,L,K,N	As req'd.					
29	558*	Dynamo bottom bevel wheel (very rare).	P,L,K,N	1					
30	559*	Bottom bevel wheel securing bolt.	P,L,K,N	1					
31	559A	Tab washer for Part No. 559.	P,L,K,N	1					
32	560*	Distributor complete (all types still available).	P,L,K,N	1					
32	560A	Your distributor — fully reconditioned	P,L,K,N	1					
33	561	Distributor caps (all types).	P,L,K,N	1					
34	561A	Distributor lead set (orig. cloth type).	P,L,K,N	Set					
35	444	Rotor arms (all types).	P,L,K,N	1					
36	445	Condenser.	P,L,K,N	1					

* Currently only available in secondhand condition.



When fitting a water pump to P models the water jacket plates should be transposed to accommodate side hose.

