



G&S VALVES LTD

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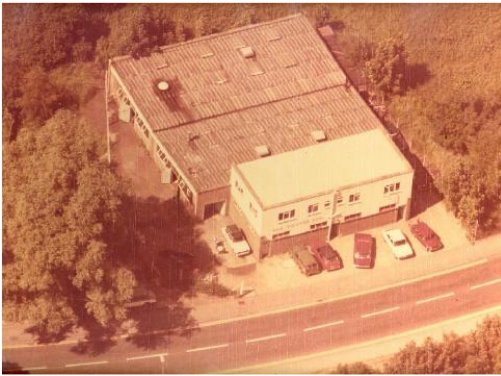
Issue 10 (11/01/2022)

Vintage Motor Cycle Catalogue



Company Profile

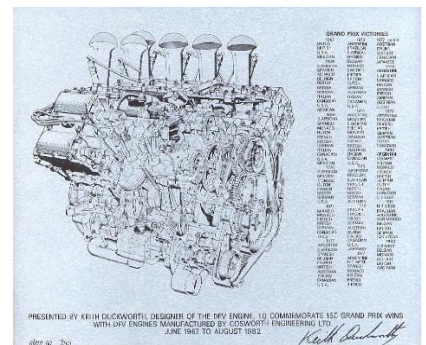
Established 1946



G&S Valves Ltd. specialises in manufacturing a wide range of valves, from 'one off' prototypes for engine development, up to ongoing scheduled contracts for larger companies. We have received approved supplier status from many of the major OEM and high performance manufacturers.

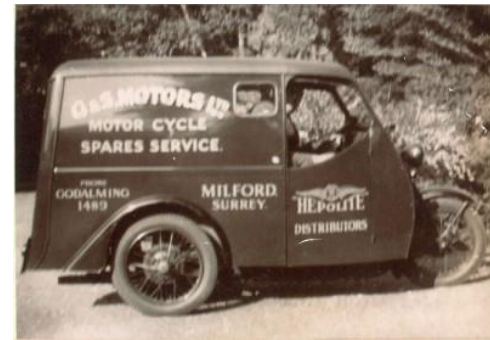
Cosworth 'Approved Supplier Scheme',
Rolls Royce Motor Cars 'Supplier Assessments',
Varity Perkins 'Approved Supplier'
and
Various Vintage Motor Car & Motorcycle Clubs.

G&S Valves Ltd. was founded on July 13th 1946 by Mr. Harry Grenside and his partner Mr. Ralph Saunders, the company was originally known as G&S Motors located in a small factory in Milford, Surrey, England. In 1947 G&S Valves acquired its first major customer, Petters of Staines. By 1959 the work load had increased so much that new premises had to be found. This was to be a purpose built factory in Catteshall Lane, Godalming, when the name changed to G&S Valves.



Over the next few years the range of valves produced was increased to include those for competition engines and racing cars as well as for the English motor cycle industry. During this time they earned a reputation as a high quality engine valve manufacturer. In 1974 Mr. Robert Grenside & Mr. Neville Nichols took over control of G&S Valves Ltd. and continued to improve quality of the valves produced.

1980 saw the purchase of a Forge, based in the West Midlands, which Mr. Trevor Abbotts, formally from TRW, took control of this new acquisition allowing us to make purpose made forgings for the ever increasing valve business. Due to the increasing complexity of some of the shapes required by some of our racing customers.



G&S Valves had to purchase a number of CNC Lathes and Grinders to produce these new designs. With this came the need to install a CAD system to create the drawings needed. In 1991 Mr. Andrew Grenside joined the company and used his knowledge in computers to set up this new system. This new set-up has improved the production techniques and quality of all of valves produced at G&S, and is looking forward to new challenges in the forthcoming years.



AJS

250 cc.

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1958-60	14 O.H.V.	V87	042032	V88	042033
1960-61	14CS	V87	042032	V192	042868
1961-62	14, 14S	V87	042032	V192	042868
1962-66	14CSR	V197	044002	V192	042868

350 cc.

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1922-36	350cc (Side Valve)	54850		54850	
1937-47	16, 16M, O.H.V.				
1948	16, 16M, O.H.V.				
1949-51	16, 16M, 16MC	V21	013985	V22	013986
1952-53	16M, 16MC, 16MCS	V21	013985	V22	013986
1954	16M, 16MC, 16MCS	V21	013985	V22	013986
1955	16M, 16MS	V21	013985	V22	013986
1955	16MC, 16MCS	V21	013985	V172	018103
1956-61	16, 16M, 16MS	V21	013985	V22	013986
1956-63	16MCT, 16C	V21	013985	V172	018103
1956	16MCS	V21	013985	V172	018103
1960	Light 350, Model 8	V197	044002	V88	042033
1961-62	Light 350, Model 8	V197	044002	V192	042868
1964	16C	V208	026028	V222	028105
1962-66	16, 16S	V208	026028	V222	028105

500 cc.

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1928-34	500cc, R9, S9, T9 (Side Valve)	54850		54850	
1937-47	8, 18			V54	STD679
1948	8, 18S, 18C			V54	STD679
1949-51	18, 18S, 18C	V55	013988	V56	013989
1952-53	18, 18S, 18C, 18CS	V55	013988	V56	013989
1954-55	18, 18S, 18C, 18CS	V55	013988	V56	013989
1956-59	18, 18S	V55	013988	V56	013989
1956	18CS	V55	013988	V56	013989
1960-66	18, 18CS	V208	026028	V209	026029

500 cc. Twin

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1949-58	20, Spring Twin	V38	014163	V39	014165
1959	20, Spring Twin	V38	014163	V39	014165
1960-61	20, Spring Twin	V203	026040	V204	016042

600 cc., 650 cc. & 750 cc. Twins

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1955-56	30, Spring Twin	V38	014163	V39	014165
1957	30, Spring Twin	V171	023403	V39	014165
1958	30, Spring Twin	V171	023403	V39	014165
1959	31, Twin	V171	023403	V39	014165
1960-66	31, Twin	V205	026041	V206	026043
1964-66	33, 33CSR	V240	24330	V27	T2204
1968-69	P11, P11A	V263	25501	V264	25500
1968-69	P11, P11A	V263/1 (H/D 1.614" Oversize)		V264/1 (H/D 1.418" Oversize)	

990 cc.

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1929-32	990cc (Side Valve)	54850		54850	

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ARIEL

50 cc.

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1963-65	Pixie	V241	53-219	V242	53-246

200 cc.

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1954-59	LH, Colt	V50	12062-54	V51	12061-54

350 cc.

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1935-50	MH33, ME, N.F.3, 4, NF, WNG, NG, NH	V40	423-33	V41	453-35
1951-55	NH, Red Hunter	V40	423-33	V41	453-35
1956-59	NH, Red Hunter	V75	423-56	V76	453-56

500 cc.

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1936-50	VG	V77	415-35	V78	441-35
1935-50	VH, Red Hunter	V77	415-35	V78	441-35
1951-53	VH, Red Hunter	V77	415-35	V78	441-35
1953	VGH, VHA, Alloy Engine	V77	415-35	V78	441-35
1954	VH, Red Hunter	V77	415-35	V78	441-35
1954	HS, Scrambles	V77	415-35	V78	441-35
1955-58	VH, HT, Hunter	V77	415-35	V80	441-55
1955-58	HS, Scrambles	V77	415-35	V80	441-55

500 cc. Twin

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1948-55	KG, KH	V81	K15-48	V82	K16-48
1953-55	KHA	V81	K15-48	V82	K16-48
1956-58	KH, Field Master	V81	K15-48	V82	K16-48

550 cc.

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1926-35	A, B, SB, VA, VB, Side Valve	V83		V83	

600 cc.

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1931-36	Cammy OHV, Square 4		418-31		418-31
1936-51	VB, SV	V30	400-36	V31	430-36
1952-58	VB, SV, De Luxe	V32	400-52	V33	430-52

650 cc. Twin

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1954-59	FH, Hunt Master	V17	10103-54	V18	10104-54

1000 cc. Four

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1937-48	Square Four, HG, 4H	V91		V92	455-37
1949-50	Square Four (Alloy Head)	V93	417-49	V94	455-49
1950-54	Square Four (Alloy Head)	V93	417-49	V94	455-49
1955-59	Square Four (Alloy Head)	V93	417-49	V94	455-49

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BSA

75 cc.

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1963-65	Beagle	V241	53-219	V242	53-246

250 cc.

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1939-55	B21, B22, Empire Star			V12	65-208
1939-58	C10, S.V.	V34	29-2120	V35	29-2121
1939-58	C11, C11G, C12	V11 *	29-2124	V12	65-208
1959-66	C15	V169	40-165	V170	40-166
1959-61	C15T, to Engine No. C15T-1320	V169	40-165	V170	40-166
1959	C15S	V169	40-165	V170	40-166
1960	C15S, to Engine No. C15S-2112	V210	40-337	V170	40-166
1961-65	C15T, to Engine No. C15T-1320	V210	40-337	V170	40-166
1961-65	C15S	V210	40-337	V170	40-166
1961-66	C15SS80, Sportsman	V210	40-337	V170	40-166
1959-64	Sunbeam Scooter	V189	76-61	V190	76-60
1967	B25, Starfire	V255	68-0661	V256	68-0662
1967	C25, Barracuda from Engine No. C25-101	V255	68-0661	V256	68-0662
1968-70	B25, Starfire	V255	68-0661	V256N	70-7777

Valve reference V11 is same as V12

350 cc.

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1946-49	B29 Silver Sport, B31, B32	V42	65-1111	V43	65-1110
1950-53	B31, B32	V42	65-1111	V43	65-1110
1950-52	B31, B32 Alloy Engine	V42	65-1111	V43	65-1110
1954-59	B31	V42	65-1111	V43	65-1110
1960-63	B40, 350 Star	V211	41-22	V212	41-23
1962-63	B40SS90	V223	41-24	V212	41-23
1955-60	DB32	V350	65-2486	V351	65-2485

441 cc.

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1965-66	Victor Scrambler, Enduro, Round Barrel	V223	41-24	V212	41-23
1967-69	BB44, Victor, Square Barrel	V268	41-788	V269	41-789

500 cc.

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1927-32	S29 Slopper (Twin Port 500cc OHV)		24-490		
1946-49	B33, B34	V97	65-1239	V98	65-1240
1950-53	B33, B34	V97	65-1239	V98	65-1240
1954-59	B33	V97	65-1239	V98	65-1240
1939-58	M20	V19	66-235	V20	66-236
1946-49	M33	V97	65-1239	V98	65-1240
1950-58	M33	V97	65-1239	V98	65-1240
1954-55	Gold Star CB 34			V244	65-2512 - CHECK
1953-54	Gold Star BB 34	V352	65-1632		65-1633
1947-53	Gold Star ZB 34	V352	65-1632		65-1633
1949-53	Gold Star ZB 34			V353	65-1646
1956-63	Gold Star DB/DBD 34	V243	65-647	V244	65-2512
1956-63	Gold Star DB/DBD 34 (Light Weight - 70.6g / Std. 82.7g Exhaust)			V292	
1972	B50	V272	71-1735	V273	71-1736

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BSA continued

500 cc. Twin

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1947-51	A7		67-0029		67-0030
1949-50	A7, Star Twin	V121	67-189	V122	67-190
1956-62	A7, from Engine No. CA7-5001	V15	67-740	V16	67-741
1951-55	A7, Star Twin V123 67-531	V16	67-532		
1954-55	Shooting Star to Engine No. CA755-4024	V123	67-531	V16	67-532
1956-62	Shooting Star from Engine No. CA755-4025	V15	67-740	V16	67-395
1962-63	A50, Star Twin	V224	68-0168	V225	68-0169
1964-65	A50, Star Twin, Cyclone	V224	68-0168	V225	68-0169
1966	A50, Royal Star, Wasp	V255	68-0661	V256	68-0662
1967	A50, Wasp	V255	68-0661	V256	68-0662
1967-69	A50, Royal Star	V255	68-0661	V256	68-0662

600 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1939-59	M21	V19	66-235	V20	66-236

650 cc. Twin

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1949-55	A10	V17	67-323	V18	67-324
1956-62	A10, Golden Flash from Engine No. DA10-651	V17	67-323	V18	67-324
1956-59	A10, Super Rocket from Engine No. CA10R-6001	V127	67-968	V128	67-967
1960-63	A10, Super Rocket from Engine No. DA10R-101	V215 *	67-1551	V128	67-967
	Super Rocket (to suit Racing Head Kit 67-1106)		67-961		
1962-63	A65, Star Twin	V226	68-0156	V227	68-0157
1964-65	A65, Star Twin, Rocket, Lightning	V226	68-0156	V254	68-0663
1966	A65, Lightning, Hornet, Thunderbolt, Spitfire MkII	V253	68-665	V254	68-0663
1967-69	A65, Lightning, Hornet, Thunderbolt, Spitfire MkII	V253	68-665	V254	68-0663
1971-72	A65	V253	68-665	V254	68-0663
1956-72	A10 / A65 Lower Spring Platform	10994	71-2366		
1956-72	A10 / A65 Spring Retainer	10993	71-1165		
1956-72	A10 / A65 Valve Collet Single Bead, 18 degree Incl.	10820	71-1166		

Valve reference V215 is also available with a head diameter of 1/16" oversize, reference is V215/1

750 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1971-72	A75, Rocket 3	V270	70-6422	V271	70-6423
1972-on	Rocket 3	V282		V283	

DOUGLAS

350 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
All Years	MkII, III, IV & V Dragonfly	V216	35536 in	V217	35536 ex

HEINKEL

174 cc. & 200 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1956-66	Tourist Scooter & Cabin Car	V220	321-1143	V221	321-1140

HARLEY DAVIDSON

1000 cc. & 1250 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1936-37	Twin 61 & 74 O.H.V.	3400	163-36	3405	165-36
1948-49	Twin 61 & 74 O.H.V.	3408	163-48	3409	165-48
	Sportster	3410	18080-57	3411	18080-58

INDIAN

250 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1951-55	Brave, 248, S.V.	V65	43-83	V66	90-14

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ISETTA

300 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
All Years	300, Standard & Plus	V199	026-501	V200	026-510

JAP

350 cc. & 500 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
All Years	Speedway Engine, 4 Stud Only	V230	18947	V231	21871

MATCHLESS

250 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1958-60	G2	V87	042032	V88	042033
1960-61	G2CS	V87	042032	V192	042868
1961-63	G2, G2S	V87	042032	V192	042868
1962-63	G2CSR	V197	044002	V192	042868

350 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1937-47	G3, G3L				
1948	G3L				
1949-51	G3L, G3LS, G3LC	V21	013985	V22	013986
1952-53	G3L, G3LS, G3LC, G3LCS	V21	013985	V22	013986
1954	G3L, G3LS, G3LC, G3LCS	V21	013985	V22	013986
1955	G3L, G3LS	V21	013985	V172	018103
1956-61	G3LS	V21	013985	V22	013986
1956-63	G3LCT, G3LC	V21	013985	V172	018103
1956	G3LCS	V21	013985	V172	018103
1960	Light 350, Model G5	V197	044002	V88	042033
1961-62	Light 350, Model G5	V197	044002	V192	042868
1962-66	G3	V208	026028	V222	028105
1964-66	G3C	V208	026028	V222	028105

500 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1937-47	G80L			V54	STD679
1948	G80L			V54	STD679
1949-51	G80, G80S, G80C	V55	013988	V54	STD679
1952-53	G80, G80S, G80C, G80CS	V55	013988	V56	013989
1954-55	G80, G80S, G80C, G80CS	V55	013988	V56	013989
1956-59	G80S	V55	013988	V56	013989
1956	G80CS	V55	013988	V56	013989
1960-66	G80, G80CS	V208	026028	V209	026029
1966-67	G85CS	V208	026028	V209	026029
	G50				

500 cc. Twin

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1949-58	G9, Spring Twin	V38	014163	V39	014165
1959	G9, Spring Twin	V38	014163	V39	014165
1960-61	G9 Twin	V203	026040	V204	016042
1953-57	G45	V57		V58	

600 cc., 650 cc. & 750 cc. Twins

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1955-56	G11	V38	014163	V39	014165
1957	G11	V171	023403	V39	014165
1958	G11	V171	023403	V39	014165
1959	G12	V171	023403	V39	014165
1960-66	G12	V205	026041	V206	026043
1964-66	G15, G15CSR	V240	24330	V27	T2204
1968-69	P11, P11A	V263	25501	V264	25500
1968-69	P11, P11A	V263/1	(H/D 1.614" Oversize)	V264/1	(H/D 1.418" Oversize)

N.S.U.

250 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1955-63	Max, Supermax	V228		V229	

NORTON

250 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1959-66	Jubilee Twin	V183	21457	V184	20744

350 cc. & 400 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1932-39	Model 50	55449	(3074)	55450	(3075)
1947-58	Model 50	V140	L13-142	V140	L13-142
1959-63	Model 50	V140	18737	V140	18737
1964-66	Model 50 MkII, Matchless Engine	V208	026028	V222	028105
1961-65	Navigator	V183	21457	V184	20744
1964-66	ES400 Manx	V183	21457	V184	20744

500 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1933-37	16H, S.V.	V141 *	9120	V29	9120
1939-45	16H, EX WD	V141 *	9120	V29	9120
1946-55	16H	V143	A2-141	V144	
1935-47	18, ES2	V36 *	A3-142	V37	A3-142
1948-54	18, ES2	V36 *	A3-142	V37	A3-142
1955-58	18, ES2	V36 *	A3-142	V37	A3-142
1954-58	500T	V36 *	A3-142	V37	A3-142
1947-63	ES2	V36 *	A3-142	V37	A3-142
1964-66	ES2 MkII, Matchless Engine Manx	V208	026028	V209	026029

Valve reference V141 is same as V29, Valve reference V36 is same as V37

500 cc., 600 cc. & 650 cc. Twins

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1949-63	Dominator, 77, 88, 99	V26	T2010	V27	T2204
<1960	650		06.7942		
1960-66	88, 99, 650SS, Manxman	V195	17221	V27	T2204

600 cc. & 663 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1935-63	Model 19, O.H.V.	V36 *	A3-142	V37	A3-142
1933-37	Big 4, S.V.			V29	9120
1939-45	Big 4, S.V., EX WD			V29	9120
1947-55	Big 4, S.V.	V145	C7-141	V52	C7-141EX

Valve reference V36 is same as V37

750 cc. Twin

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1964-66	Atlas	V240	24330	V27	T2204
1968-69	Commando	V263	25501	V264	25500
1972	Interstate	V263	25501	V264	25500
	Commando / Interstate	V263/1	(H/D 1.614" Oversize)	V264/1	(H/D 1.418" Oversize)

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PANTHER

250 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1932-60	All Models	V103	R104	V104	R104

350 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1933-53	30, 70, 80, M75	V103	R104	V104	R104
1954-63	M75, Alloy Head	V105	R104 large	V104	R104

500 cc., 600 cc. & 650 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1933-53	All Models	V59 *	M107	V60	M107
1954-64	100, 100S	V101	M107/5	V102	M107/5
1959-66	120, 120S	V101	M107/5	V60	M107

Valve reference V59 is same as V60

RELIANT

600 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1962-70	Reliant Model 3/25	V251	6003	V252	6004

750 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1939-62	Reliant, 4cyl.	V218		V219	

ROYAL ENFIELD

250 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1935-57	S, S2, Clipper, O.H.V.	V46	21063	V47	21064
1958	250 Clipper	V147	39156	V148	35392
1960-63	Crusader, Alloy Head	V147	39156	V148	35392
1963-66	250 Clipper	V147	39156	V148	35392
1957-59	Crusader, Cast Iron Head	V147	39156	V148	35392
1959-63	250 Clipper	V147	39156	V148	35392
1960-66	Crusader Sports, Super 5, Continental	V193	44765	V194	44766
1960-66	250 Trials, Continental G.T.	V193	44765	V194	44766

350 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1936-47	CO, O.H.V.	V44 *	16567	V45	16362
1936-39	G, Bullet	V44 *	16567	V45	16362
1946-57	G, G De Luxe, 350 Clipper	V44 *	16567	V45	16362
1958-59	350 Clipper	V153	40086	V148	35392
1948-54	Bullet	V151	35391	V148	35392
1955	Bullet, Exhaust Pipe fits over Cyl. Head Stub	V151	35391	V148	35392
1955	Bullet, Exhaust Pipe fits inside Cyl. Head Stub	V153	40086	V148	35392
1956-59	Bullet	V153	40086	V148	35392
1960-63	350 Clipper	V153	40086	V148	35392
1960-62	Bullet	V193	44765	V194	44766
1963-65	Bullet	V193	44765	V194	44766

Valve reference V44 is same as V45

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ROYAL ENFIELD *continued*

500 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1933-49	J, J2, ect.	V44 *	16567	V45	16362
1950-54	J2, O.H.V.	V167	24952	V45	16362
1953-59	Bullet	V155	38094	V156	38095
1959-62	Bullet	V213	43360	V214	43361
1949-54	500 Twin	V157	32546	V158	32545
1955-57	500 Twin	V161	40458	V158	32545
1958-59	500 Twin	V163	41221	V164	39529
1960-63	Meteor, Minor, Sport Twin	V185	42661	V186	42521
1992-on	Bullet	V155		V156	

Valve reference V44 is same as V45

700 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1953	Meteor Twin	V44	16567	V160	32346
1954-55	Meteor Twin	V165	39528	V164	39529
1956-62	Super Meteor except Phase C	V163	41221	V164	39529
1960-63	Super Meteor Phase C	V185	42661	V186	42521
1958-63	Constellation, Interceptor	V185	42661	V186	42521

750 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1960-63	Super Meteor Phase C	V185	42661	V186	42521
1958-66	Constellation	V185	42661	V186	42521
1963-69	Interceptor	V185	42661	V186	42521

SUNBEAM

500 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
All Years	S7, S8	V61	89-330	V62	89-331

TRIUMPH

150 cc. & 200 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1953-59	T15, T20, T20C	V48	E3146	V49	E3147
1959-66	T20, T20T, from Engine No, 56360	V191	E3963	V49	E3147
1959-66	T20S, T20SL, from Engine No, 43512	V191	E3963	V49	E3147
1959-66	T20S/S, T20SH, from Engine No, 43512	V191	E3963	V49	E3147
1967-68	Bantam Cub, Super Cub	V191	E3963	V49	E3147

250 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1959-64	Tigress Scooter	V189	76-61	V190	76-60
1968-70	TR25W	V255	E8112	V256	E7777

350 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1936-45	3H, 3HW, T80 OHV		E2116		E2115
1945-51	3T, T85	V133	E1751	V134	E1752
1957-65	Twentyone 3TA	V135	E3738	V136	E3739
1963-65	Tiger 90	V232	E4640	V136	E3739
1966	3TA	V135	E3738	V136	E3739
1966-67	Tiger 90	V232	E4640	V136	E3739
1968-69	Tiger 90	V232	E4640	V136	E3739

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TRIUMPH *continued*

500 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1937-39	5H, Tiger 90 OHV		E1326	55373	E1327 (3126)
1946-59	5T	V13 *	E1955	V14	E1956
1946-50	T100	V13 *	E1955	V14	E1956
1951-59	T100, TR5, GP	V25	E2969	V14	E1956
1959-65	T100A, 5TA, T100S/S	V187	E4012	V188	E4013
1966	T100	V187	E4012	V188	E4013
1966	5TA	V187	E4012	V188	E4013
1966	T100C, T100S	V187	E4012	V188	E4013
1967	T100C, T100S	V265	E6853	V266	E6854
1966-67	T100R, T100T	V265	E6853	V266	E6854
1968	T100C	V265	E6853	V266	E6854
1968-69	T100S, T100R	V265	E6853	V266	E6854
1970	T100T	V265	E6853	V266	E6854

Valve reference V13 is same as V14

650 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1949-62	6T, Thunderbird	V23	E2903	V24	E2904
1954-57	T110, TR6	V137	3310	V24	E2904
1958-63	T110, TR6	V137	3310	V138	E3927
1959-63	T120, Bonneville	V137	3310	V138	E3927
1963-65	T6, Bonneville, from Engine No. DU5825	V137	3310	V138	E3927
1963-65	TR6 from Engine No. DU5825	V137	3310	V138	E3927
1963-65	T120 from Engine No. DU5825	V245	E4603	V24	E2904
1966	T120, Bonneville	V245	E4603	V24	E2904
1966	TR6, 6T	V137	3310	V138	E3927
1966	TR6 from Engine No. DU44394	V245	E4603	V24	E2904
1967-70	TR6	V245	E4603	V24	E2904
1967-70	T120, Bonneville	V245	E4603	V24	E2904
	TR6 / T120 / Bonneville	V245/1 (H/D 1.656" Oversize)		V24/1 (1.494" Oversize)	
1966-70	TR6, T120, Bonneville Spring Retainer	11273	E1543		
	TSS 8 Valve	V290	71-7288	V291	71-7295

750 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1969-74	Trident T150	V270	E6422	V271	E6423
1974-on	Trident T160	V282	71-3361	V283	71-3362

VELOCETTE

150 cc. & 200 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1949-51	LE, 150cc	V67 *	LE-15	V68	LE-15-2
1951-63	LE, 200cc	V67 *	LE-15	V68	LE-15-2
1957-63	Valiant	V179	LE-15-4	V180	LE-15-3
1964-66	Vogue	V67 *	LE-15	V68	LE-15-2

250 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1935-48	MOV	V63 *	M2-2	V64	M2-2

Valve reference V63 is same as V64

Valve reference V67 is same as V68

350 cc.

Year	Model	Inlet	O/E Ref.	Exhaust	O/E Ref.
1935-48	MAC	V63 *	M2-2	V64	M2-2
1952-55	MAC, Alloy Head	V107	M2-8	V108	M2-8
1956-60	MAC, Alloy Head	V107	M2-8	V106	M2-11
1954-63	Viper	V109	M2-12	V110	M2-16
1966-69	Viper	V109	M2-12	V110	M2-16

Valve reference V63 is same as V64

Valve reference V107 is same as V108

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VELOCETTE *continued*

500 cc.

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1935-47	MSS IRON		M2-4	V114	M2-5
1954-66	MSS	V111	M2-7	V112	M2-17
1954-66	Venom, Endurance	V111	M2-7	V112	M2-17
1967-69	Venom, Endurance	V111	M2-7	V112	M2-17
	Thruyton	V289	M2-18		

VINCENT

500 cc

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1935	(series A motor), thread		E34		E33
1935-39	Comet, Hairpin Springs	V177	ET-34	V178	ET-33
1949-55	Meteor, Comet	V177	ET-34	V178	ET-33
1950-55	Grey flash	V177	ET-34	V178	ET-33

1000 cc

<u>Year</u>	<u>Model</u>	<u>Inlet</u>	<u>O/E Ref.</u>	<u>Exhaust</u>	<u>O/E Ref.</u>
1946-55	Black lightning, Shadow	V177	ET-34	V178	ET-33
1946-55	Rapide	V177	ET-34	V178	ET-33

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Part No	Model	Head	Stem	Length
V11	BSA			
V12	BSA	1.281	0.3100	3.570
V13	TRIUMPH (Same as V14 but EN52)	1.312	0.3100	3.865
V14	TRIUMPH	1.312	0.3100	3.865
V15	BSA	1.315	0.3105	3.922
V16	BSA	1.285	0.3100	3.920
V17	ARIEL, BSA	1.412	0.3110	3.992
V18	ARIEL, BSA	1.382	0.3105	3.922
V19	BSA	1.740	0.3490	5.670
V20	BSA	1.625	0.3490	5.671
V21	AJS, MATCHLESS	1.595	0.3720	4.320
V22	AJS, MATCHLESS	1.500	0.3715	4.275
V23	TRIUMPH	1.438	0.3110	3.760
V24	TRIUMPH	1.437	0.3095	3.780
V24/1	TRIUMPH	1.494	0.3095	3.780
V25	TRIUMPH	1.437	0.3105	3.891
V26	NORTON	1.312	0.3100	3.890
V27	AJS, MATCHLESS, NORTON	1.312	0.3100	3.920
V29	NORTON	1.625	0.3420	5.240
V30	ARIEL	1.725	0.3110	4.455
V31	ARIEL	1.721	0.3110	4.518
V32	ARIEL			
V33	ARIEL	1.594	0.3110	4.520
V34	BSA			
V35	BSA			
V36	NORTON (Same as V37 but EN52)	1.725	0.3715	4.315
V37	NORTON	1.725	0.3715	4.315
V38	AJS, MATCHLESS	1.390	0.2797	4.148
V39	AJS, MATCHLESS	1.300	0.3100	4.155
V40	ARIEL	1.562	0.3120	3.687
V41	ARIEL	1.562	0.3410	3.709
V42	BSA	1.530	0.3110	3.830
V43	BSA	1.468	0.3480	3.828
V44	ROYAL ENFIELD	1.500	0.3435	3.817
V45	ROYAL ENFIELD (Same as V44)	1.500	0.3430	3.817
V46	ROYAL ENFIELD			
V47	ROYAL ENFIELD			
V48	TRIUMPH	1.130	0.3110	3.110
V49	TRIUMPH	1.125	0.3100	3.115
V50	ARIEL			
V51	ARIEL			
V52	NORTON			
V54	AJS, MATCHLESS			
V55	AJS, MATCHLESS	1.690	0.3730	4.060
V56	AJS, MATCHLESS	1.690	0.3730	4.060
V57	MATCHLESS	1.531	0.3116	4.188
V58	MATCHLESS	1.406	0.3730	4.161
V59	PANTHER (Same as V60 but EN52)	1.690	0.3750	4.160
V60	PANTHER	1.690	0.3750	4.160
V61	SUNBEAM	1.438	0.3105	4.156
V62	SUNBEAM	1.312	0.3105	4.172
V63	VELOCETTE (Same as V64 but EN52)	1.445	0.3110	4.210
V64	VELOCETTE	1.445	0.3110	4.210
V67	VELOCETTE (Same as V68 but EN52)	0.878	0.2160	3.509
V68	VELOCETTE	0.878	0.2160	3.509
V75	ARIEL	1.565	0.3110	4.015
V76	ARIEL	1.469	0.3420	3.987
V77	ARIEL	1.720	0.3420	4.115
V78	ARIEL	1.725	0.3720	4.140
V80	ARIEL	1.600	0.3720	4.075

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Part No	Model	Head	Stem	Length
V81	ARIEL	1.312	0.3105	3.648
V82	ARIEL	1.250	0.3100	3.630
V83	ARIEL	1.725	0.3115	4.375
V87	AJS, MATCHLESS	1.469	0.2797	4.184
V88	AJS, MATCHLESS	1.190	0.3100	4.000
V91	ARIEL	1.203	0.3100	3.390
V92	ARIEL	1.203	0.3100	3.390
V93	ARIEL	1.220	0.3110	3.500
V94	ARIEL	1.095	0.3100	3.500
V97	BSA	1.660	0.3490	3.825
V98	BSA	1.600	0.3730	3.820
V101	PANTHER	1.875	0.3730	4.280
V102	PANTHER			
V103	PANTHER			
V104	PANTHER	1.378	0.3750	3.944
V105	PANTHER			
V106	VELOCETTE	1.437	0.3105	4.255
V107	VELOCETTE	1.685	0.3105	4.286
V108	VELOCETTE	1.445	0.3110	4.281
V109	VELOCETTE	1.690	0.3730	4.150
V110	VELOCETTE	1.560	0.3730	4.100
V111	VELOCETTE	1.815	0.3110	4.127
V112	VELOCETTE	1.690	0.3730	4.095
V114	VELOCETTE	1.687	0.3725	3.975
V121	BSA	1.343	0.3105	3.914
V122	BSA	1.288	0.3105	3.528
V123	BSA			
V127	BSA	1.415	0.3100	3.950
V128	BSA	1.380	0.3100	3.940
V133	BSA, TRIUMPH			
V134	BSA, TRIUMPH			
V135	BSA, TRIUMPH	1.320	0.3110	3.610
V136	BSA, TRIUMPH	1.198	0.3105	3.575
V137	TRIUMPH	1.500	0.3100	3.790
V138	TRIUMPH	1.343	0.3420	3.750
V140	NORTON	1.600	0.3720	4.438
V141	NORTON (Same as V29 but EN52)	1.625	0.3420	5.240
V143	NORTON	1.625	0.3420	5.115
V144	NORTON	1.625	0.3415	5.042
V145	NORTON			
V147	ROYAL ENFIELD	1.440	0.3420	3.820
V148	ROYAL ENFIELD	1.375	0.3420	3.970
V151	ROYAL ENFIELD	1.563	0.3430	3.781
V153	ROYAL ENFIELD	1.570	0.3425	3.803
V155	ROYAL ENFIELD	1.750	0.3430	3.812
V156	ROYAL ENFIELD	1.625	0.3420	3.845
V157	ROYAL ENFIELD			
V158	ROYAL ENFIELD			
V160	ROYAL ENFIELD			
V161	ROYAL ENFIELD			
V163	ROYAL ENFIELD	1.560	0.3430	3.950
V164	ROYAL ENFIELD	1.375	0.3420	3.970
V165	ROYAL ENFIELD			
V167	ROYAL ENFIELD	1.625	0.3435	3.775
V169	BSA	1.315	0.3110	3.540
V170	BSA	1.312	0.3100	3.525
V171	AJS, MATCHLESS	1.532	0.2800	4.180
V172	AJS, MATCHLESS			
V177	VINCENT	1.800	0.3730	4.656
V178	VINCENT	1.675	0.3720	4.615

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Part No	Model	Head	Stem	Length
V179	VELOCETTE	1.083	0.2160	3.188
V180	VELOCETTE	1.003	0.2155	3.188
V183	NORTON	1.170	0.2800	3.540
V184	NORTON	1.030	0.2800	3.560
V185	ROYAL ENFIELD	1.560	0.3430	4.090
V186	ROYAL ENFIELD	1.375	0.3420	4.110
V187	TRIUMPH	1.430	0.3110	3.540
V188	TRIUMPH	1.312	0.3100	3.490
V189	BSA, TRIUMPH			
V190	BSA, TRIUMPH			
V191	TRIUMPH	1.312	0.3110	3.160
V192	AJS, MATCHLESS	1.187	0.3420	3.996
V193	ROYAL ENFIELD	1.560	0.3430	3.990
V194	ROYAL ENFIELD	1.375	0.3420	3.970
V195	NORTON	1.406	0.3100	3.937
V197	AJS, MATCHLESS	1.594	0.2795	4.224
V199	ISETTA	1.340	0.2735	3.420
V200	ISETTA	1.265	0.2730	3.420
V203	AJS, MATCHLESS			
V204	AJS, MATCHLESS			
V205	AJS, MATCHLESS	1.594	0.2795	4.538
V206	AJS, MATCHLESS	1.312	0.3095	4.462
V208	AJS, MATCHLESS, NORTON	1.750	0.3120	4.185
V209	AJS, MATCHLESS, NORTON	1.563	0.3725	4.150
V210	BSA	1.410	0.3100	3.560
V211	BSA	1.468	0.3110	3.475
V212	BSA	1.410	0.3095	3.460
V213	ROYAL ENFIELD	1.938	0.3430	4.625
V214	ROYAL ENFIELD	1.620	0.3410	4.542
V215	BSA	1.450	0.3110	3.937
V215/1	BSA	1.515	0.3110	3.937
V216	DOUGLAS			
V217	DOUGLAS			
V218	RELIANT			
V219	RELIANT			
V220	HEINKEL			
V221	HEINKEL			
V222	AJS, MATCHLESS, NORTON	1.500	0.3720	4.168
V223	BSA	1.540	0.3110	3.490
V224	BSA	1.410	0.3110	3.645
V225	BSA	1.315	0.3100	3.630
V226	BSA	1.470	0.3110	3.550
V227	BSA	1.410	0.3100	3.540
V228	NSU			
V229	NSU			
V230	JAP	1.825	0.3439	4.313
V231	JAP	1.570	0.3440	4.300
V232	BSA, TRIUMPH	1.438	0.3105	3.665
V240	AJS, MATCHLESS, NORTON	1.500	0.3105	3.939
V241	BSA			
V242	BSA			
V243	BSA Goldstar	1.850	0.3100	4.185
V244	BSA Goldstar	1.531	0.3485	4.100 82.7 grams
V245	TRIUMPH	1.594	0.3100	3.855
V245/1	TRIUMPH	1.656	0.3100	3.855
V251	RELIANT	1.000	0.2805	3.625
V252	RELIANT	0.875	0.2805	3.625
V253	BSA	1.598	0.3105	3.600
V254	BSA	1.410	0.3100	3.557

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QUICK REFERENCE

Part No	Model	Head	Stem	Length
V255	BSA, TRIUMPH	1.452	0.3105	3.677
V256	BSA, TRIUMPH	1.315	0.3095	3.635
V263	AJS, MATCHLESS, NORTON	1.490	0.3115	4.069
V263/1	AJS, MATCHLESS, NORTON	1.614	0.3115	4.100
V264	AJS, MATCHLESS, NORTON	1.302	0.3115	4.020
V264/1	AJS, MATCHLESS, NORTON	1.418	0.3115	4.020
V265	TRIUMPH	1.531	0.3100	3.498
V266	TRIUMPH	1.312	0.3100	3.430
V268	BSA	1.537	0.3102	3.623
V269	BSA	1.410	0.3100	3.592
V270	BSA, TRIUMPH	1.530	0.3100	3.975
V271	BSA, TRIUMPH	1.312	0.3095	3.893
V272	BSA	1.752	0.3105	4.085
V273	BSA	1.528	0.3100	4.027
V282	BSA, TRIUMPH	1.530	0.3100	3.734
V283	BSA, TRIUMPH	1.312	0.3100	3.669
V284	WESLAKE IN. 500cc SINGLE	1.240		
V285	WESLAKE EX. 500cc SINGLE	1.125		
V286	WESLAKE IN. 500cc SINGLE	1.312		
V287	WESLAKE IN. 500cc SINGLE	1.375		
V288	WESLAKE EX. 500cc SINGLE	1.187		
V289	VELOCETTE	2.003	0.3110	4.119
V290	TRIUMPH	1.150	0.2797	3.402
V291	TRIUMPH	0.992	0.2790	3.410
V292	BSA Light Weight Goldstar Exhaust	1.531	0.3112	3.072
V300				
V301				
V350	BSA	1.602	0.3100	4.319
V351	BSA	1.410	0.3485	4.247
V352	BSA	1.725	0.3485	3.823
V353	BSA	1.663	0.3745	3.829
67-961	BSA	1.475	0.3110	3.950
67-0029	BSA A7	1.350	0.3110	3.834
67-0030	BSA A7	1.300	0.3105	3.466
418-31	ARIEL	1.000	0.2800	3.162
55373	TRIUMPH TIGER 90/5H 500cc 37-39(3126)	1.725	0.3730	3.986
55959	SUNBEAM MODEL 9 1925-36 (3014)	1.687	0.3725	3.855
24-490	BSA	1.760	0.3740	3.950
54850	AJS	1.675	0.3105	5.063 (Slot)

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