



# **REPLACEMENT PARTS CATALOGUE**

**FOR  
1978**

**BONNEVILLE 750 TI40V  
TIGER 750 TR7RV**

**FROM ENGINE 00100**

**PART NO. 99-7003 [REVISED MARCH, 1978]**



# **REPLACEMENT PARTS CATALOGUE**

**1978**

**BONNEVILLE 750 T140V  
TIGER 750 TR7RV**

## INTRODUCTION

The information contained in this catalog was complete and correct at the time of printing. Dealers will be informed of any subsequent alterations.

### ENGINE AND FRAME NUMBERS

The engine number is located on the left side of the engine, immediately below the cylinder barrel to crankcase flange.

The frame number is located on the left side of the frame headlug, beneath the fork top lug and forward of the gasoline tank.

Both the engine and frame number should be quoted in full in any correspondence relating to the machine.

### WARRANTY

Please contact your local dealer or Triumph Motorcycles, America, Inc., for the latest terms of warranty.

### UNITED STATES DISTRIBUTOR

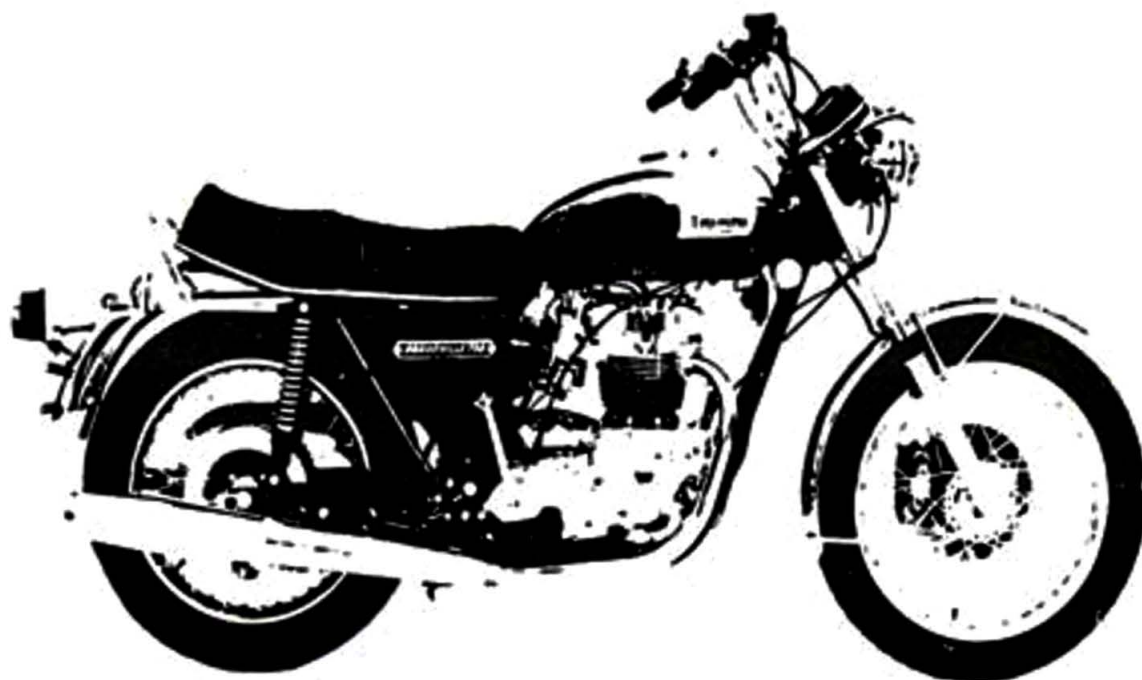
Triumph Motorcycles, America, Inc.  
P.O. Box 1060  
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Placentia, California 92670

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**BONNEVILLE 750 (T140V), TIGER 750 (TR7RV) TECHNICAL DATA**

		TR7RV	T140V
Compression ratio. U.S.A.		8.6 : 1	8.6 : 1
Compression ratio.UK and Europe		7.9 : 1	7.9 : 1
Spark plugs		Champion N3	Champion N3
Carburetor		Amal Concentric 930	2 Amal Concentric 930
	Main jet	270	190
	Needle jet	.106	.106
	Throttle valve	No. 3	No. 3
Gearbox sprocket		20 teeth	20 teeth
Chains	Front	3/8 Triplex x 84 links	3/8 Triplex x 84 links
	Rear	5/8" x 3/8" x 107 links	5/8" x 3/8" x 107 links
Capacities	Gas Tank	3.6 U.S. galls.	3.6 U.S. galls.
	Oil Tank	4.8 U.S. pints	4.8 U.S. pints
	Gearbox	7/8 pint (500 c.c.)	7/8 pint (500 c.c.)
	Primary Chaincase	1/4 pint (150 c.c.)	1/4 pint (150 c.c.)
	Front Forks (each leg)	1/3 pint (190 c.c.)	1/3 pint (190 c.c.)
Tire size	Front	4.10 x 19	4.10 x 19
	Rear	4.10 x 18	4.10 x 18



First consult the index on Page 3 for the parts or group of parts which you wish to locate. When you have located the parts make sure from the end columns that the part you have located does apply to your machine.

List the quantities required as single units; do not ask for "2 pairs" or "3 dozen".

In case of painted items always state the color required. Painted parts are available only in the colors or alternatives specified for that model of that particular year.

## PLEASE NOTE

THROUGHOUT THIS LIST, ASSEMBLIES ARE PRINTED IN CAPITALS AND THE COMPONENTS INCLUDED IN THAT ASSEMBLY ARE INDENTED IN THE DESCRIPTION COLUMN, REVERTING TO THE ORIGINAL ALIGNMENT WHEN THE ASSEMBLY IS COMPLETE. TO ORDER THE COMPLETE ASSEMBLY IT IS NECESSARY ONLY TO QUOTE THE ASSEMBLY NUMBER. ANY COMPONENT PARTS LISTED MAY ALSO BE OBTAINED SEPARATELY IF REQUIRED.

## SPECIAL WORKSHOP TOOLS

A COMPLETE LIST OF WORKSHOP TOOLS CAN BE MADE AVAILABLE BY EITHER CONTACTING YOUR DEALER OR APPLYING DIRECT TO THE TRIUMPH SERVICE DEPARTMENT. IN MOST CASES THESE TOOLS ARE VERY COSTLY AS THEY ARE MADE ENTIRELY FOR WORKSHOP USE, AND THEREFORE, IT IS NOT RECOMMENDED THAT THE PRIVATE OWNER PURCHASES THE TOOLS IN ORDER TO AID SERVICING THE MACHINE ONCE OR TWICE ONLY. IN THESE CIRCUMSTANCES IT IS FAR MORE ECONOMICAL TO GET IN TOUCH WITH A RECOGNISED DEALER.

## UNIFIED THREAD FORM

NEW PARTS HAVING THREADED FIXINGS INTRODUCED IN THIS CATALOGUE HAVE THE UNIFIED FORM OF SCREW THREADS. THIS CHANGEOVER WILL BE CONTINUED AS AND WHEN NEW PARTS ARE INTRODUCED. EVEN WHERE PARTS ARE SIMILAR IN APPEARANCE NEW PART NUMBERS WILL BE ALLOCATED TO IDENTIFY THE UNIFIED THREADS. ALL NUTS, BOLTS AND STUDS HAVING THIS THREAD ARE IDENTIFIED BY MARKINGS. BOLTS HAVE A CIRCULAR RECESS IN THEIR HEADS, STUDS A CIRCULAR GROOVE ON THE END, AND NUTS HAVE INTERLOCKING CIRCLES ON THE SIDE.

PARTS SPECIAL TO PARTICULAR MARKETS ARE IDENTIFIED IN 'REMARKS' COLUMN, OTHERWISE PARTS ARE COMMON TO ALL MARKETS.

WHERE MAKERS PART NUMBERS ONLY ARE SHOWN FOR REFERENCE, PARTS MUST BE OBTAINED DIRECT FROM THE MAKERS OR THEIR DISTRIBUTORS.

### STEERING LOCK AND KEY NUMBERS

Lock No.	Key No.	Lock No.	Key No.	Lock No.	Key No.
EJR 1	19-5151	EJR 18	19-5168	EJR 35	19-5185
EJR 2	19-5152	EJR 19	19-5169	EJR 36	19-5186
EJR 3	19-5153	EJR 20	19-5170	EJR 37	19-5187
EJR 4	19-5154	EJR 21	19-5171	EJR 38	19-5188
EJR 5	19-5155	EJR 22	19-5172	EJR 39	19-5189
EJR 6	19-5156	EJR 23	19-5173	EJR 40	19-5190
EJR 7	19-5157	EJR 24	19-5174	EJR 41	19-5191
EJR 8	19-5158	EJR 25	19-5175	EJR 42	19-5192
EJR 9	19-5159	EJR 26	19-5176	EJR 43	19-5193
EJR 10	19-5160	EJR 27	19-5177	EJR 44	19-5194
EJR 11	19-5161	EJR 28	19-5178	EJR 45	19-5195
EJR 12	19-5162	EJR 29	19-5179	EJR 46	19-5196
EJR 13	19-5163	EJR 30	19-5180	EJR 47	19-5197
EJR 14	19-5164	EJR 31	19-5181	EJR 48	19-5198
EJR 15	19-5165	EJR 32	19-5182	EJR 49	19-5199
EJR 16	19-5166	EJR 33	19-5183	EJR 50	19-5200
EJR 17	19-5167	EJR 34	19-5184		

**Note** Certain European countries require the installation of special steering locks (Neiman), and hence the above information does not apply to models supplied to those countries

# IGNITION LOCK AND KEY NUMBERS

Lock No.	Key No.	Lock No.	Key No.	Lock No.	Key No.
FS 876	19-5614	FS 903	19-5641	FS 930	19-5668
FS 877	19-5615	FS 904	19-5642	FS 931	19-5669
FS 878	19-5616	FS 905	19-5643	FS 932	19-5670
FS 879	19-5617	FS 906	19-5644	FS 933	19-5671
FS 880	19-5618	FS 907	19-5645	FS 934	19-5672
FS 881	19-5619	FS 908	19-5646	FS 935	19-5673
FS 882	19-5620	FS 909	19-5647	FS 936	19-5674
FS 883	19-5621	FS 910	19-5648	FS 937	19-5675
FS 884	19-5622	FS 911	19-5649	FS 938	19-5676
FS 885	19-5623	FS 912	19-5650	FS 939	19-5677
FS 886	19-5624	FS 913	19-5651	FS 940	19-5678
FS 887	19-5625	FS 914	19-5652	FS 941	19-5679
FS 888	19-5626	FS 915	19-5653	FS 942	19-5680
FS 889	19-5627	FS 916	19-5654	FS 943	19-5681
FS 890	19-5628	FS 917	19-5655	FS 944	19-5682
FS 891	19-5629	FS 918	19-5656	FS 945	19-5683
FS 892	19-5630	FS 919	19-5657	FS 946	19-5684
FS 893	19-5631	FS 920	19-5658	FS 947	19-5685
FS 894	19-5632	FS 921	19-5659	FS 948	19-5686
FS 895	19-5633	FS 922	19-5660	FS 949	19-5687
FS 896	19-5634	FS 923	19-5661	FS 950	19-5688
FS 897	19-5635	FS 924	19-5662	FS 951	19-5689
FS 898	19-5636	FS 925	19-5663	FS 952	19-5690
FS 899	19-5637	FS 926	19-5664	FS 953	19-5691
FS 900	19-5638	FS 927	19-5665	FS 954	19-5692
FS 901	19-5639	FS 928	19-5666	FS 955	19-5693
FS 902	19-5640	FS 929	19-5667		

NOTE: If ignition key not available order Lucas 54335169  
(lock and key)



## OVERSIZE PISTONS AND RINGS

Piston assembly 8.6 : 1	+0.010	71-3686
Piston assembly 7.9 : 1	+0.010	71-3995
Compression ring	+0.010	71-3691
Scraper ring	+0.010	71-3696
Piston assembly 8.6 : 1	+0.020	71-3687
Piston assembly 7.9 : 1	+0.020	71-3996
Compression ring	+0.020	71-3692
Scraper ring	+0.020	71-3697
Piston assembly 8.6 : 1	+0.040	71-3689
Piston assembly 7.9 : 1	+0.040	71-3998
Compression ring	+0.040	71-3694
Scraper ring	+0.040	71-3699

## PISTON RING SETS

Ring set - 76mm	Std.	99-3789
Ring set - 76mm	+0.010	99-3790
Ring set - 76mm	+0.020	99-3791
Ring set - 76mm	+0.040	99-3792

## VALVE GUIDE SETS

Valve guide set	Std.	99-3793
Valve guide set	+0.002	99-3794
Valve guide set	+0.004	99-3795
Valve guide set	+0.006	99-3796

## GASKET SETS

Decoke	<del>99-3022</del>
Overhaul	99-3023

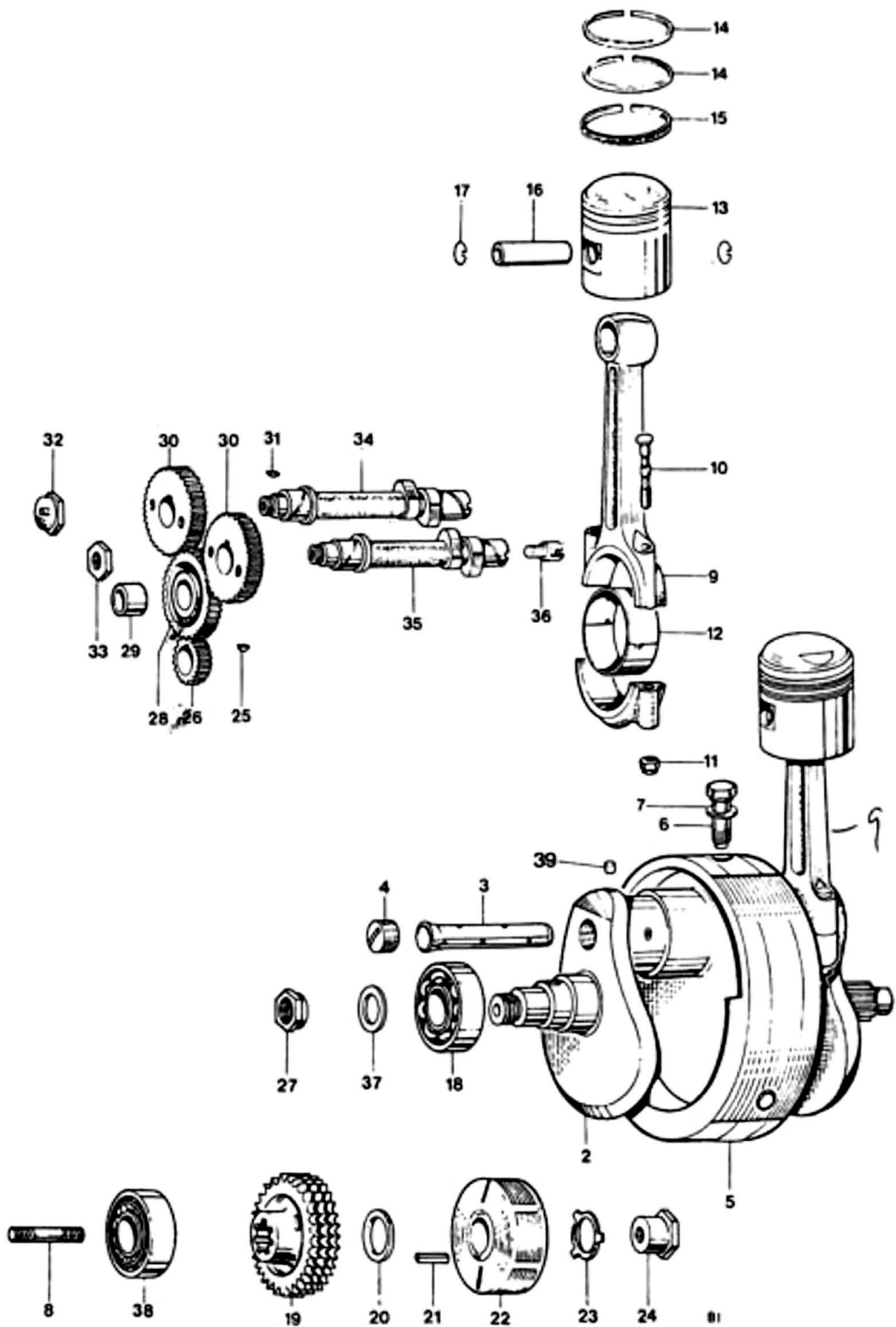


Fig. 1. CRANKSHAFT AND CONNECTING RODS



# CRANKSHAFT AND CONNECTING RODS

Ref. No.	Part No.	Description	Quantity	Remarks
1	71-3030	CRANKSHAFT AND FLYWHEEL ASSEMBLY	1	
2	71-3298	CRANKSHAFT C/W OIL TUBE	1	
3	70-3903	Oil tube	1	
4	71-2800	Screwed plug	1	
5	71-2425	Flywheel	1	
6	*71-3552	Flywheel bolt	3	
7	71-1003	Washer	3	
8	21-2183	Crankshaft stud (1 3/8"O.A.)	1	
9	71-3006	CONNECTING ROD	2	
10	70-9914	Connecting rod bolt	4	
11	60-3761	Self locking nut	4	
12	70-3586	Big end bearing (Available in -.010" and -.020" undersizes)	4	
13	71-3778	PISTON COMPLETE (7.9 :1)	2	
14	71-3690	Taper compression ring	4	
15	71-3695	Oil control ring	2	
16	71-3354	Gudgeon pin	2	
17	71-3700	Circlip	4	
18	60-4167	Main bearing, right (RHP5/6306)	1	
19	71-3542	Motor sprocket, 29 teeth Triplex	1	
20	71-3544	Distance piece	1	
21	71-0082	Rotor key	1	
22	54202275	Rotor	1	
23	21-7024	Fan disc lock washer	1	
24	21-2182	Nut	1	
25	70-1580	Key	1	
26	70-4564	Timing pinion	1	
27	71-2877	Nut	1	
28	70-6159	INTERMEDIATE WHEEL	1	
29	70-0400	Intermediate wheel bush	1	
30	71-3666	Camshaft pinion	2	
31	70-1558	Camshaft key	2	
32	71-1007	Inlet camshaft nut	1	
33	70-6523	Exhaust camshaft nut	1	
34	71-7016	Inlet camshaft	1	
35	71-7017	EXHAUST CAMSHAFT	1	
37	70-3300	Clamping washer	1	
38	70-2879	Main bearing, left (RM11L)	1	
39	70-3902	Plug, crankshaft oilway	1	
Not illus.	71-2663	Spacer	1	
Not illus.	70-8038	Shim (0.010")	} Engine sprocket	As req'd. (up to 4)
Not illus.	71-2660	Shim (0.030")		As req'd. (up to 4)

\*Use 60-0524 Loctite Sealant

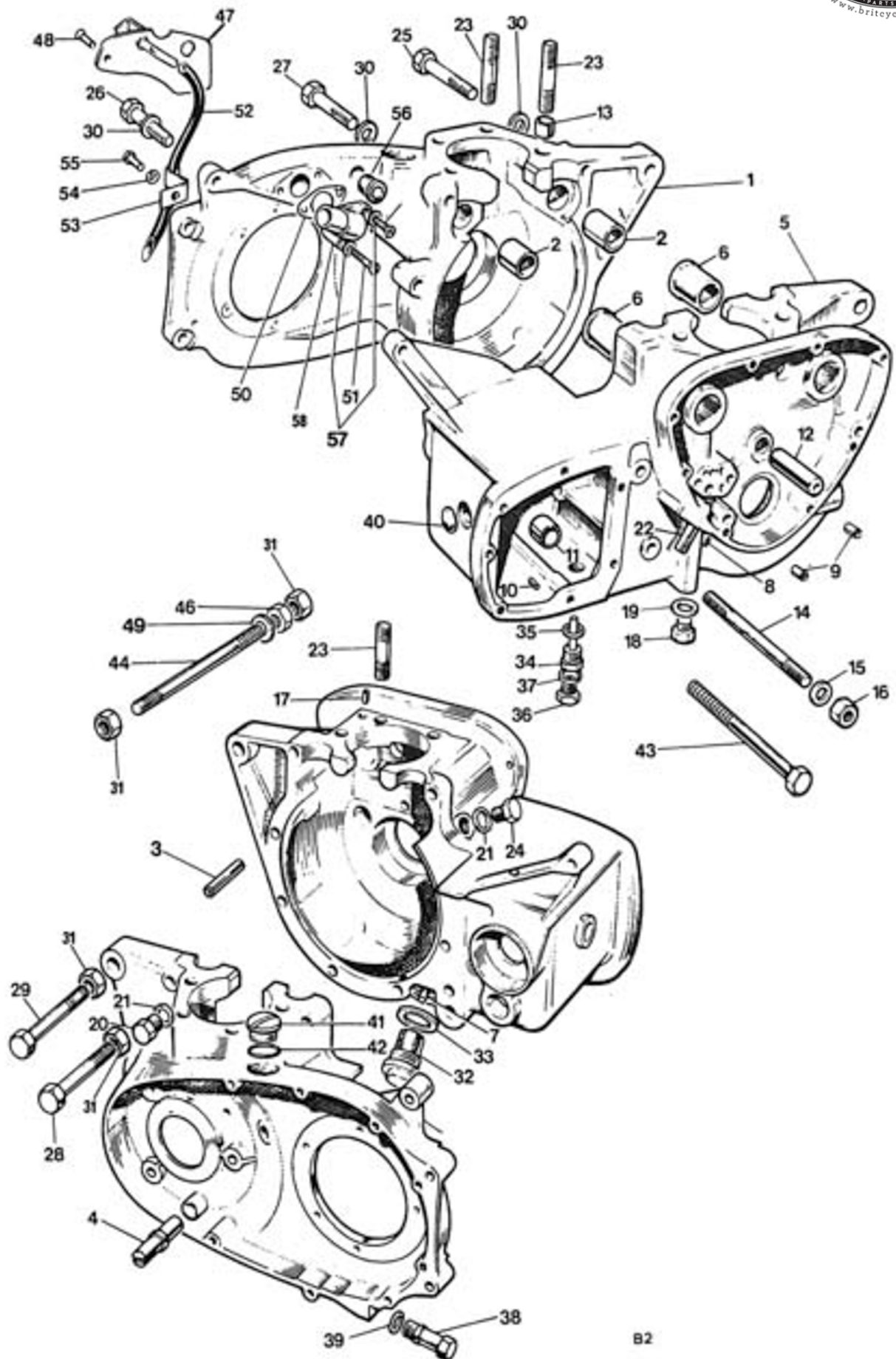


Fig. 2 CRANKCASE

## CRANKCASE

Ref. No.	Part No.	Description	Quantity	Remarks
1		*CRANKCASE DRIVE SIDE	1	Ref. Only
2	71-0287	Camshaft bush L.H.	2	
3	71-3989	Hollow dowel, crankcase joint	1	
4	70-5088	Chain tensioner abutment	1	
5		*CRANKCASE TIMING SIDE	1	Ref. only
6	71-0286	Camshaft bush R.H.	2	
7	70-4538	Scavenge pipe	Ref. only	
8	70-6386	Locating peg (at oil pipes)	Ref. only	
9	57-0989	Hollow dowel	2	
10	57-0912	Locating peg (L/S at thrust washer)	1	
11	57-1606	Needle roller bearing, layshaft	1	
12	70-0375	Intermediate wheel spindle	1	
13	70-8751	Hollow dowel, cylinder base	2	
14	14-1445	Stud, rear	1	
15	60-4246	Plain washer	2	
16	14-1303	Nut	1	
17	70-1532	Hollow dowel, tappet oil feed	2	
18	70-9330	Oilway plug	1	
19	82-1880	Copper washer	1	
20	21-1871	Tachometer drive plug (L.H. thread)	1	
21	37-3761	'O' ring, ignition timing hole plug	1	
22	21-1863	Oil pipe stud	1	
23	21-1865	Cylinder stud	4	
23	71-3013	Cylinder stud	4	
24	21-1872	Plug, timing hole	1	
25	21-1870	Bolt, rear	1	
26	14-6220	Bolt, top rear	1	
27	14-6223	Bolt, top front	1	
28	14-0230	Bolt, long - crankcase halves	1	
29	21-1823	Bolt, short - crankcase halves	2	
30	60-2330	Plain washer	10	
31	14-1302	Nut	5	
32	70-9336	Crankcase filter	1	
33	70-8782	'O' ring	1	
34	57-2167	Drain plug (with level tube)	1	
35	57-1257	Fiber washer	1	
36	21-0543	Level plug	1	
37	70-2441	Copper washer	1	
38	57-2259	Drain and adjuster plug	1	
39	70-7431	'O' ring	1	
40	57-1920	Blanking plug	Ref. only	
41	57-2166	Filler plug	2	
42	70-8782	'O' ring	2	
43	14-6242	Bolt, rear - crankcase halves	1	
44	21-0669	Stud, crankcase halves	1	
46	14-0402	Nut, exhaust ties	2	
47	71-1072	Breather cover plate assembly	1	
48	71-1075	Screw	1	
49	60-2428	Spring washer	2	
*	71-7021	CRANKCASE TS/DS	1	

\*NOTE: CRANKCASES ARE SUPPLIED ONLY AS MATCHED PAIRS PART No. 71-7021



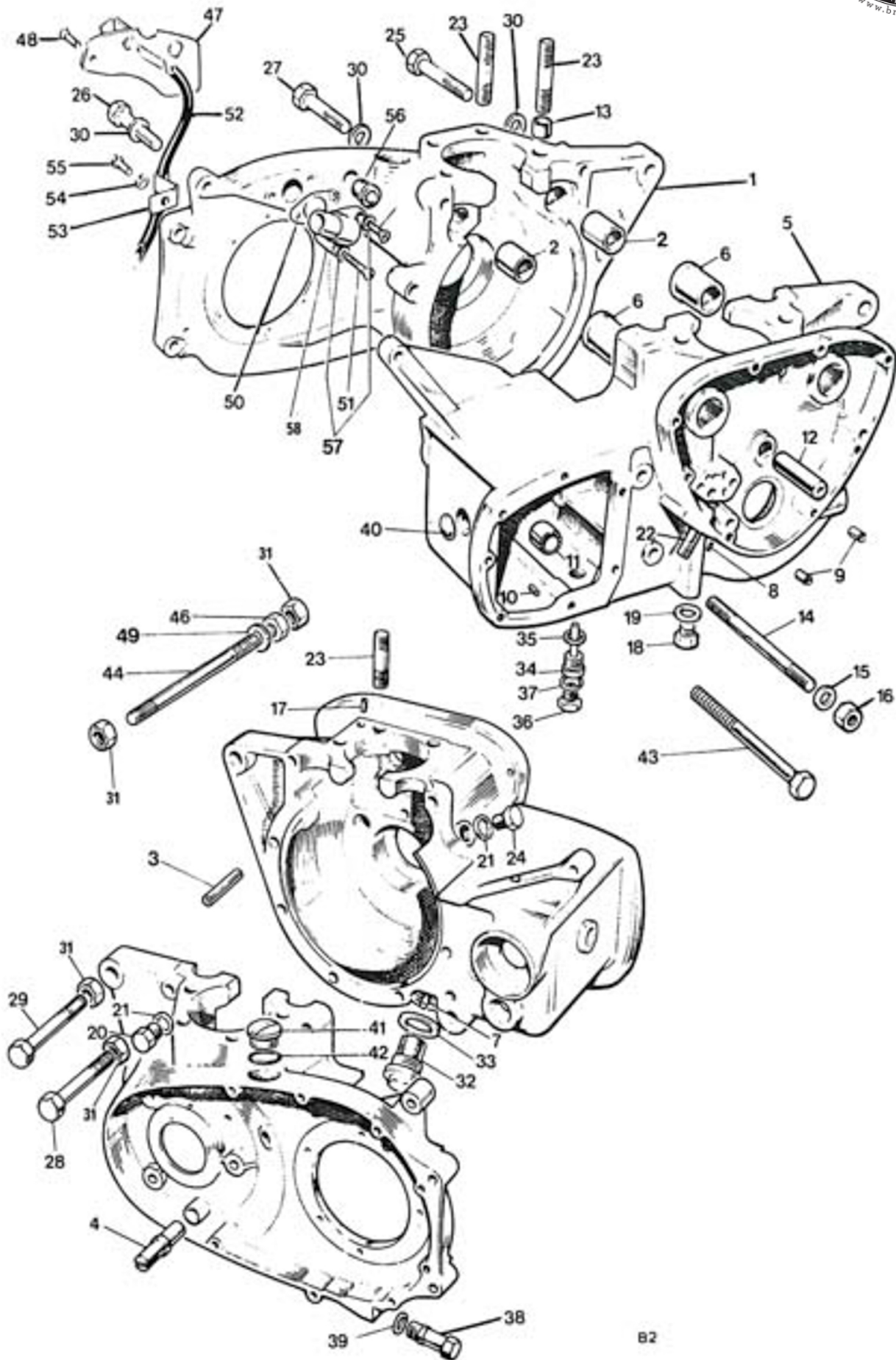


Fig. 2 CRANKCASE

Ref. No.	Part No.	Description	Quantity	Remarks
50	71-1460	Joint washer	1	
51	70-7354	Screw	2	
52	71-1078	Tube, primary chain oiler	1	
53	70-4705	Clip	1	
54	60-4250	Spring washer	1	
55	14-6101	Bolt (7/16 in. U.H.)	1	
56	71-1345	Grommet, alternator leads - external	1	
57	70-6559	Washer, outlet stub screw	2	
58	71- 4044	Outlet stub	1	



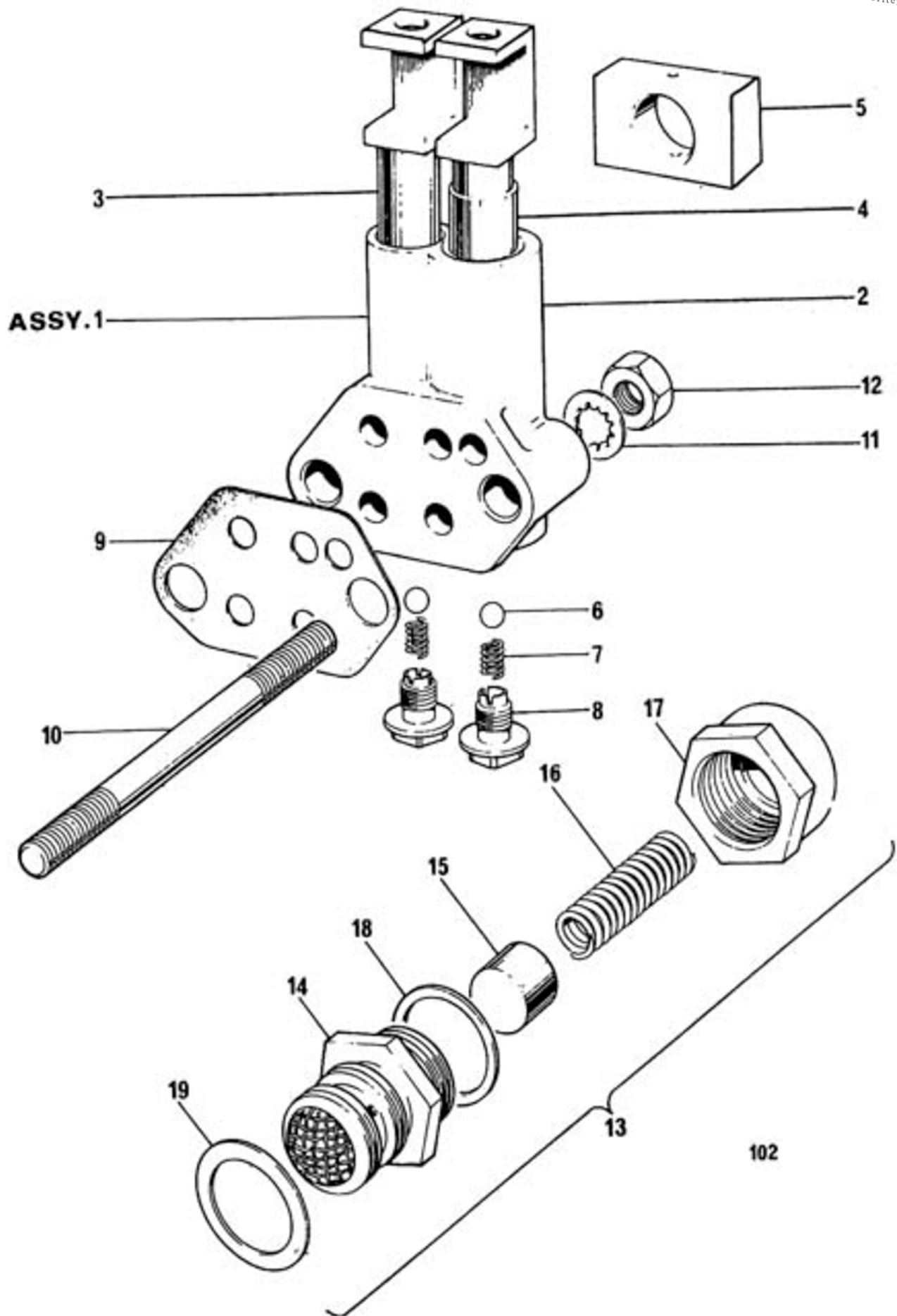


Fig. 3. OIL PUMP AND RELEASE VALVE

# OIL PUMP AND RELEASE VALVE

Ref. No.	Part No.	Description	Quantity	Remarks
1	70-9421	OIL PUMP	1	
2	Reference only	Pump body	1	
3	70-9269	Feed plunger	1	
4	70-6681	Scavenger plunger	1	
5	70-0495	Drive block	1	
6	60-2363	Valve ball (7/32 in. dia.)	2	
7	70-0403	Valve spring	2	
8	70-2360	Screwed plug	2	
9	71-3910	Joint washer	1	
10	21-1864	Oil pump stud	2	
11	70-3887	Serrated washer	2	
12	21-1906	Nut	2	
13	71-3447	OIL PRESSURE RELEASE VALVE	1	
14	70-7590	Body	Reference only	
15	70-8752	Piston	Reference only	
16	70-7591	Spring	Reference only	
17	70-6596	Cap	Reference only	
18	70-8754	Joint washer (cap to body)	1	
19	60-3355	'O' ring, release valve to crankcase	1	

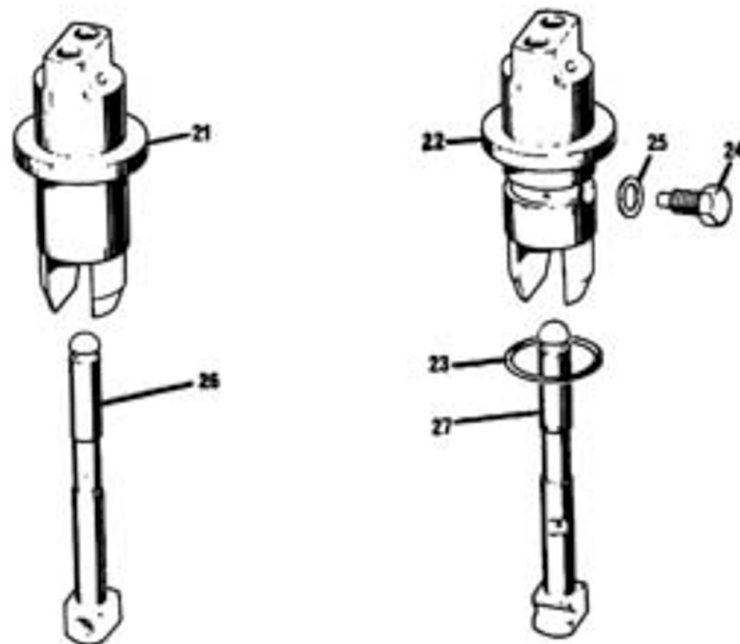
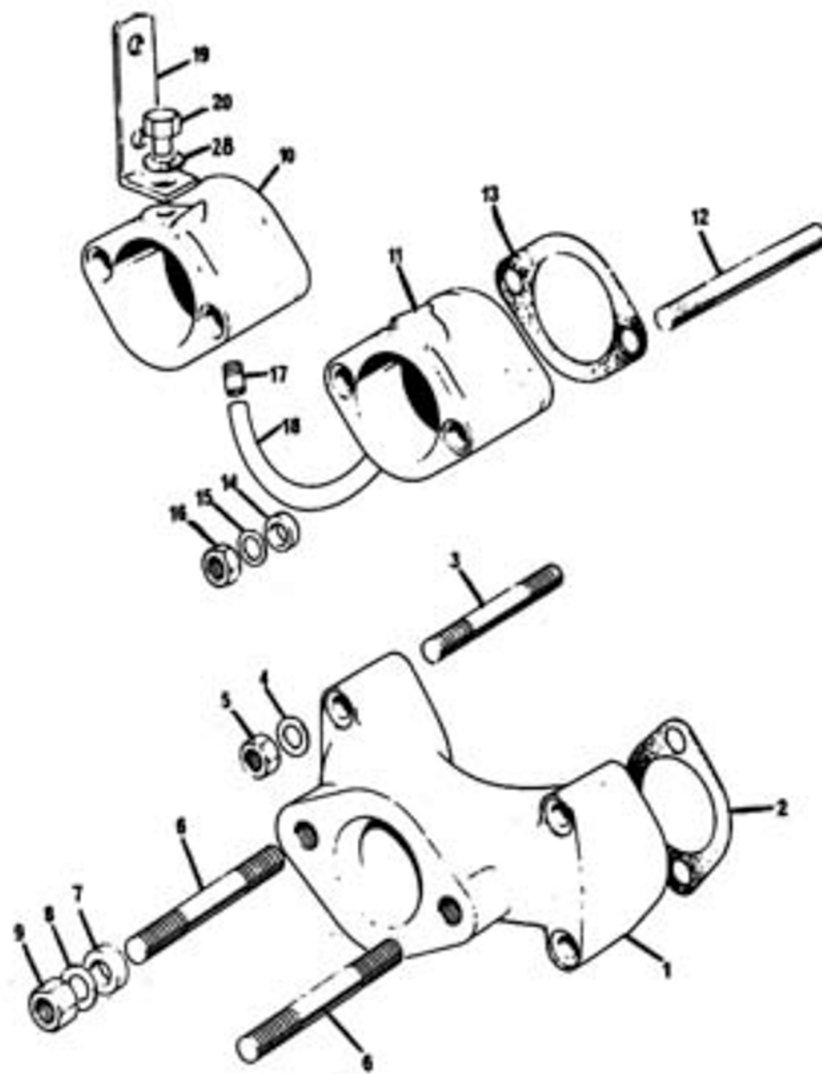


Fig. 4. MANIFOLD AND TAPPETS

Ref. No.	Part No.	Description	Quantity	Remarks
1	71-3556	Inlet manifold	1	TR7RV
2	70-5660	Joint washer	2	
3	21-1876	Stud	4	
4	60-4248	Washer      Manifold to head	4	
5	21-1877	Nut	4	
6	21-1996	Stud	2	
7	70-9554	Insulating ring	2	
8	70-9555	Cup	2	
9	14-1301	Nut	2	
10	71-3339	Inlet manifold - L.H.	1	
11	71-3338	Inlet manifold - R.H.	1	T140V
12	71-2813	Stud	4	
13	71-3573	Joint washer	2	
14	70-9554	Insulating ring	4	
15	70-9555	Cup	4	
16	14-1301	Nut	4	
17	71-3313	Connector	2	
18	71-3577	Connector pipe	1	
19	83-4898	Bracket - Air control lever	1	
20	14-6113	Screw, bracket to manifold	1	
21	70-9352	Inlet tappet guide block	1	
22	70-9353	Exhaust tappet guide block	1	
23	70-7563	'O' ring	2	
24	97-0200	Set bolt	2	
25	70-2441	Washer	2	
26	71-7008	Inlet tappet	2	
27	70-8801	Exhaust tappet	2	
28	60-4260	Spring, washer	1	

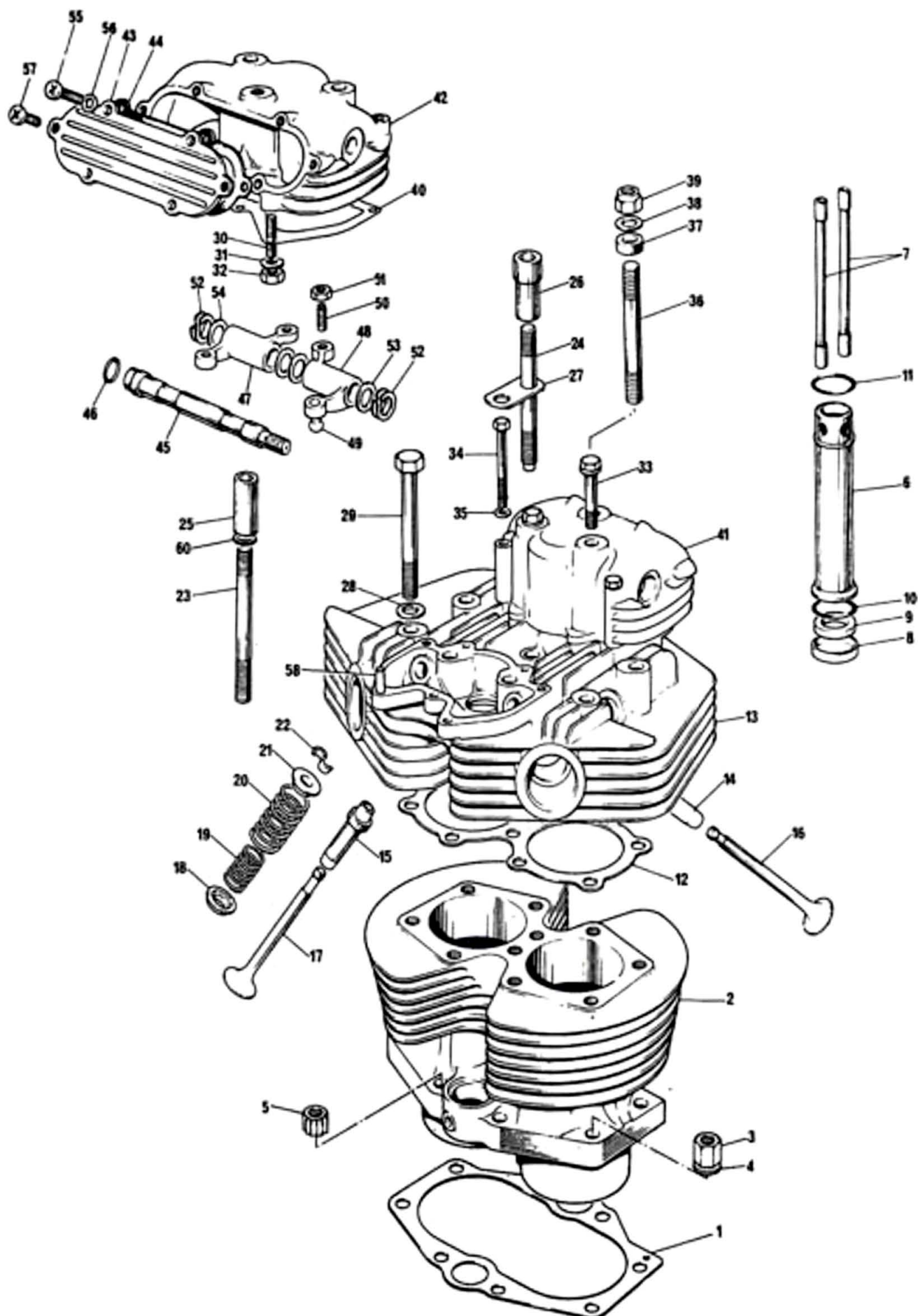


Fig. 5. CYLINDER BLOCK AND HEAD, TR7RV



Ref.No.	Part No.	Description	Quantity	Remarks
1	70-6309	Cylinder base washer	1	
2	71-4005	Cylinder block	1	
3	21-2177	Cylinder base nut	4	
4	70-3446	Washer	4	
5	21-0692	Cylinder base nut (12 point)	4	
6	71-3329	Push rod cover tube	2	
7	71-3330	Push rod	4	
8	71-1707	Sleeve	2	
9	70-4752	Sealing ring	2	Cover tubes
10	70-7310	'O' ring - bottom	2	
11	71-1283	'O' ring - top	2	
12	71-4619	Cylinder head gasket	1	
13	71-4020	CYLINDER HEAD	1	
14	71-3294	Inlet valve guide	2	
15	71-3295	Exhaust valve guide	2	
16	70-4603	Inlet valve	2	
17	70-2904	Exhaust valve	2	
18	71-3296	Bottom cup	4	
19	70-4221	Inner valve spring	4	
20	70-7400	Outer valve spring	4	
21	70-1543	Top collar	4	
22	71-3748	Split cotter	8	
23	21-2201	Stud - cylinder head (3/8 in.)	4	
24	21-2200	Stud - cylinder head (5/16 in.)	2	
25	21-2204	Socket nut (3/8 in.)	4	
26	21-2205	Socket nut (5/16 in.)	2	
27	71-3553	Bridge plate	1	
28	82-2184	Washer	4	
29	14-0241	Bolt - cylinder head	4	
30	14-1401	Stud - rocker box	6	
31	70-3302	Washer	6	
32	14-0301	Nut	6	
33	21-2206	Bolt - rocker box	4	
34	21-1875	Bolt - rocker box	4	
35	60-4248	Washer	4	
36	21-2197	Stud	2	Torque stay
37	37-2338	Distance piece	2	
38	60-2331	Washer	2	
39	14-1303	Nut	2	
40	71-2599	Rocker box gasket	2	
41	71-3668	Inlet rocker box	1	
42	71-3669	Exhaust rocker box	1	
43	71-3671	Tappet inspection cover	2	
44	71-3673	Gasket	2	
45	71-3549	Rocker spindle	2	
46	60-3548	Sealing ring	2	

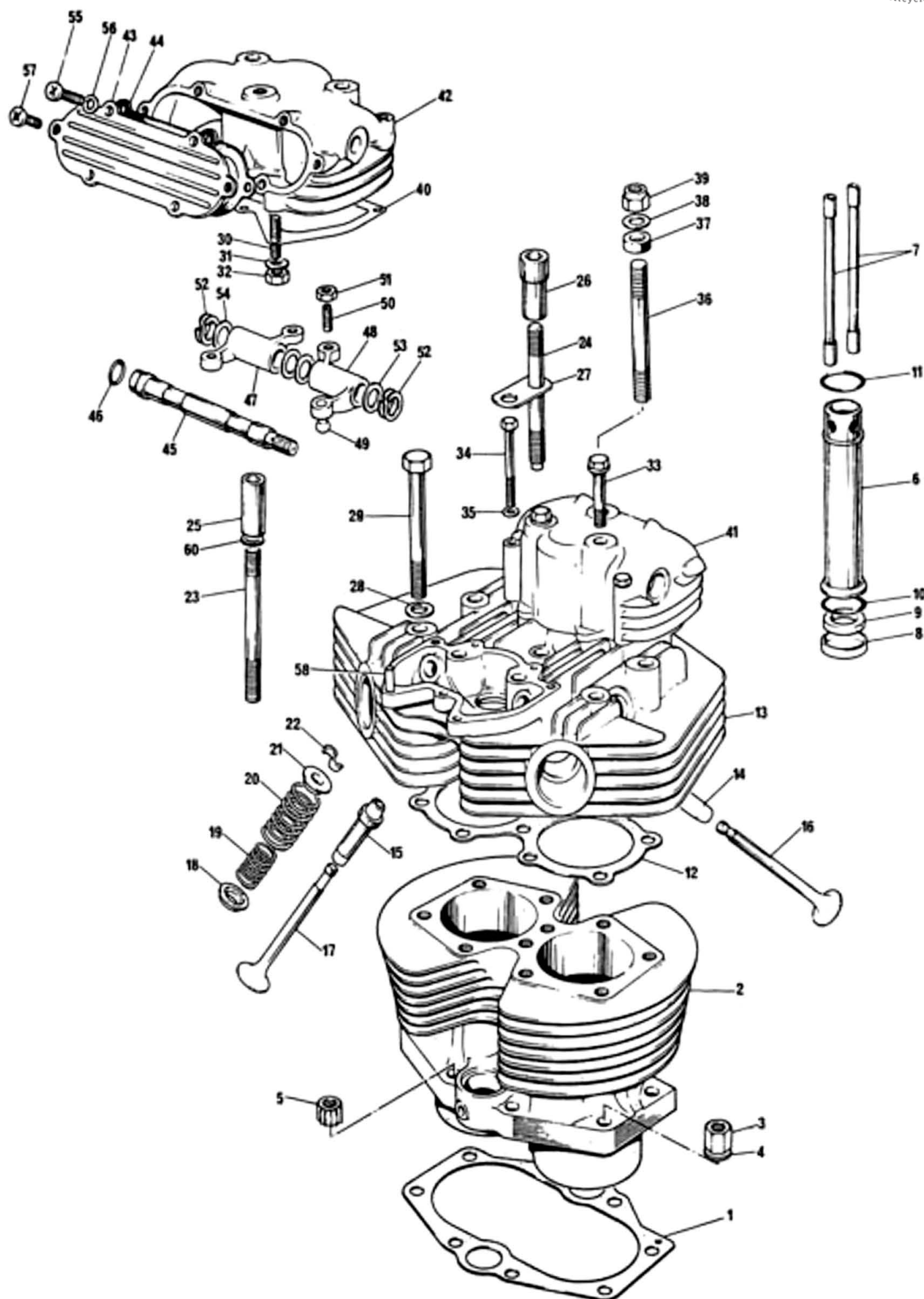
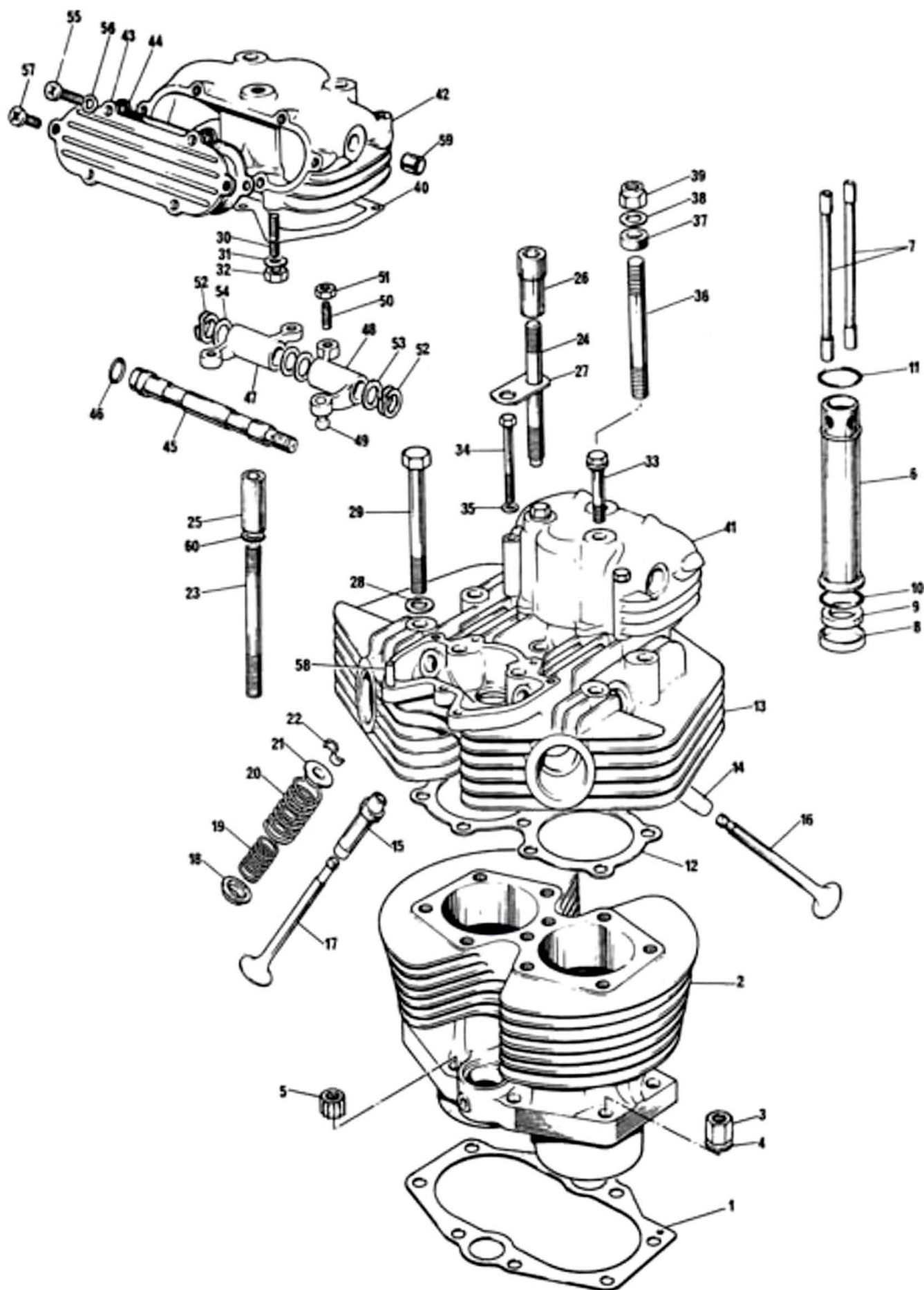


Fig. 5. CYLINDER BLOCK AND HEAD, TR7RV

## CYLINDER BLOCK AND HEAD, TR7RV (continued)

Ref. No.	Part No.	Description	Quantity	Remarks
47	70-1457	Rocker (right exhaust, left inlet)	2	Use up to Engine No. 02689. CEI Thread
48	70-1458	Rocker (left exhaust, right inlet)	2	
49	71-0070	Ball pin	4	
50	70-1513	Adjusting pin	4	
51	70-0470	Lock nut	4	
47	71-7044	Rocker (right exhaust, left inlet)	2	Use from Engine No. 02690. UNF Thread
48	71-7043	Rocker (left exhaust, right inlet)	2	
49	71-0070	Ball pin	4	
50	71-7045	Adjuster pin	4	
51	14-0402	Lock nut	4	
52	70-1574	Spring washer	4	
53	-1575	Thrust washer (1/2 in.)	6	
54	1-1330	Thrust washer (3/8 in.)	2	
55	14-6103	Set screw	8	
56	60-3963	Washer	12	
57	14-6606	Set screw	4	
58	71-2361	Dowel, rocker box to head	4	
60	71-2598	Plain washer	4	

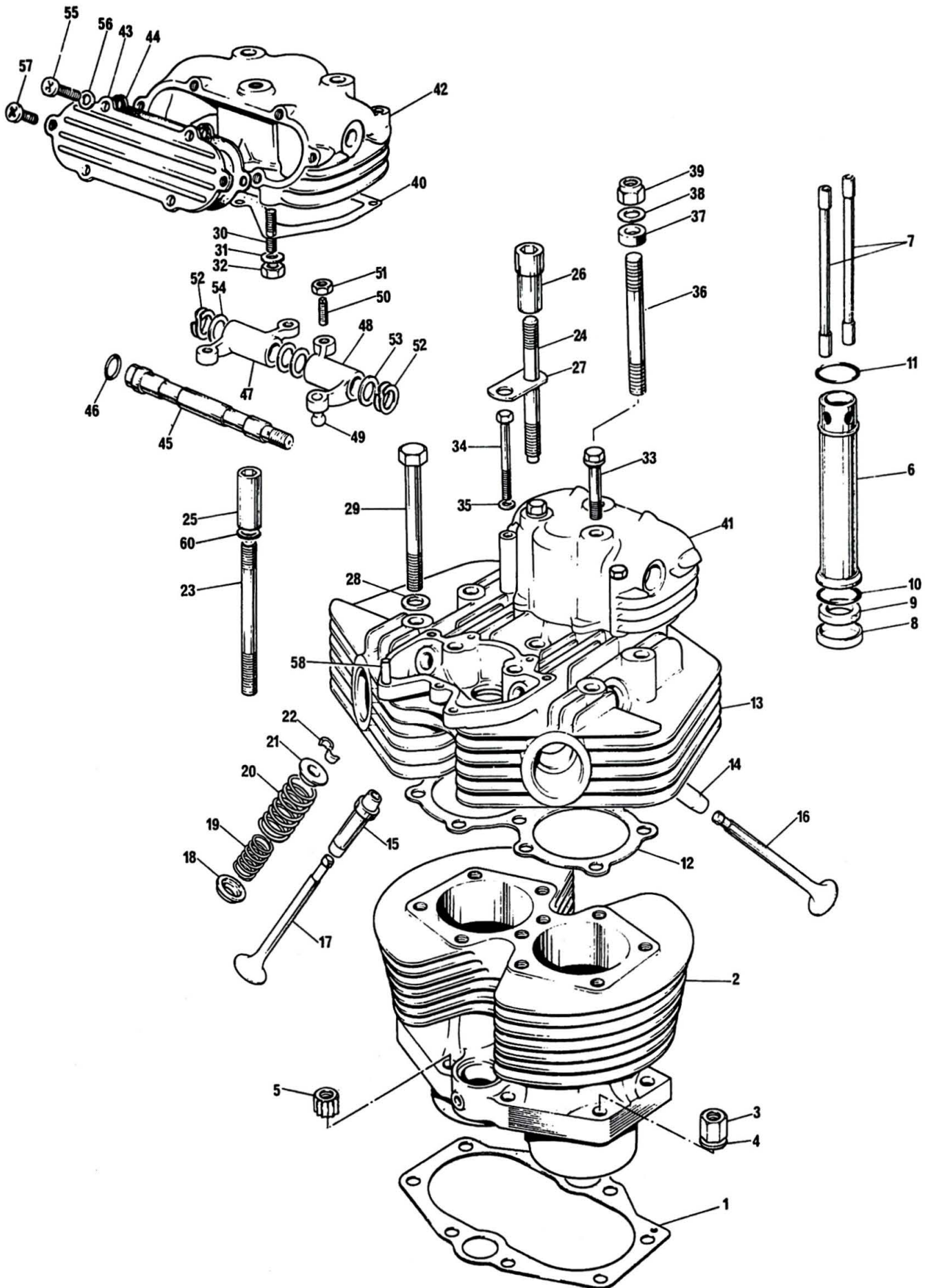


**CYLINDER BLOCK AND HEAD, T140V**



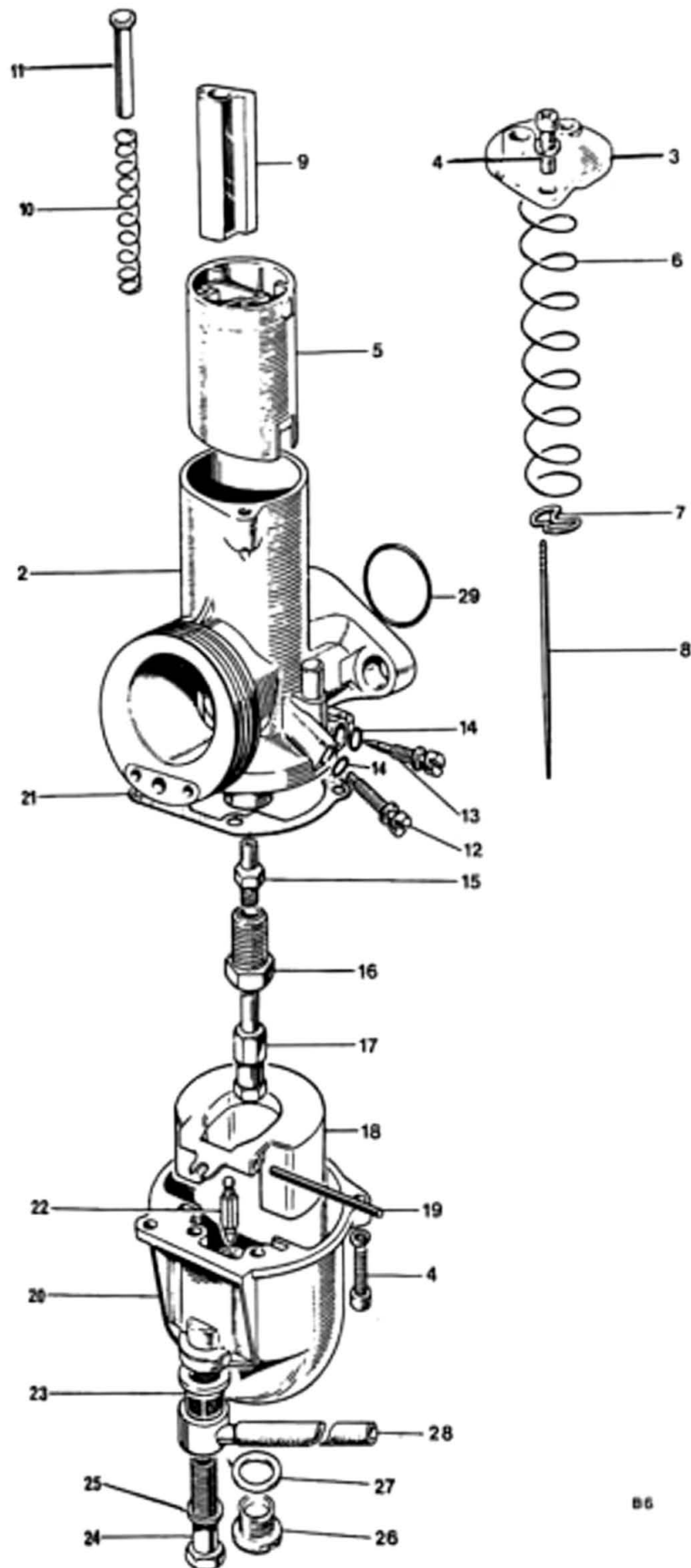
Ref. No.	Part No.	Description	Quantity	Remarks
1	70-6309	Cylinder base washer	1	
2	71-4005	Cylinder block	1	
3	21-2177	Cylinder base nut	4	
4	70-3446	Washer	4	
5	21-0692	Cylinder base nut (12 point)	4	
6	71-3329	Push rod cover tube	2	
7	71-3330	Push rod	4	
8	71-1707	Sleeve	2	
9	70-4752	Sealing ring	2	Cover tubes
10	70-7310	'O' ring - bottom	2	
11	71-1283	'O' ring - top	2	
12	71-4619	Cylinder head gasket	1	
13	71-7007	CYLINDER HEAD	1	
14	71-3294	Inlet valve guide	2	
15	71-3295	Exhaust valve guide	2	
16	70-4603	Inlet valve	2	
17	70-2904	Exhaust valve	2	
18	71-3296	Bottom cup	4	
19	70-4221	Inner valve spring	4	
20	70-7400	Outer valve spring	4	
21	70-1543	Top collar	4	
22	71-3748	Split cotter	8	
23	21-2201	Stud - cylinder head (3/8 in.)	4	
24	21-2200	Stud - cylinder head (5/16 in.)	2	
25	21-2204	Socket nut (3/8 in.)	4	
26	21-2205	Socket nut (5/16 in.)	2	
27	71-3553	Bridge plate	1	
28	82-2184	Washer	4	
29	14-0241	Bolt - cylinder head	4	
30	14-1401	Stud - rocker box	6	
31	70-3302	Washer	6	
32	14-0301	Nut	6	
33	21-2206	Bolt - rocker box	4	
34	21-1875	Bolt - rocker box	4	
35	60-4248	Washer	4	
36	21-2197	Stud	2	Torque stay
37	37-2338	Distance piece	2	
38	60-2331	Washer	2	
39	14-1303	Nut	2	
40	71-2599	Rocker box gasket	2	
41	71-3668	Inlet rocker box	1	
42	71-3669	Exhaust rocker box	1	
43	71-3671	Tappet inspection cover	2	
44	71-3673	Gasket	2	
45	71-3549	Rocker spindle	2	
46	60-3548	Sealing ring	2	





**CYLINDER BLOCK AND HEAD, T140V**

Ref. No.	Part No.	Description	Quantity	Remarks
47	70-1457	Rocker (right exhaust, left inlet)	2	Use up to Engine No. 02689. CEI Thread
48	70-1458	Rocker (left exhaust, right inlet)	2	
49	71-0070	Ball pin	4	
50	70-1513	Adjusting pin	4	
51	70-0470	Lock nut	4	
47	71-7044	Rocker (right exhaust, left inlet)	2	Use from Engine No. 02690. UNF Thread
48	71-7043	Rocker (left exhaust, right inlet)	2	
49	71-0070	Ball pin	4	
50	71-7045	Adjuster pin	4	
51	14-0402	Lock nut	4	
52	70-1574	Spring washer	4	
53	70-1575	Thrust washer (1/2 in.)	6	
54	70-1330	Thrust washer (3/8 in.)	2	
55	14-6103	Set screw	8	
56	60-3963	Washer	12	
57	14-6606	Set screw	4	
58	71-2361	Dowel, rocker box to head	4	
60	71-2598	Plain washer	4	



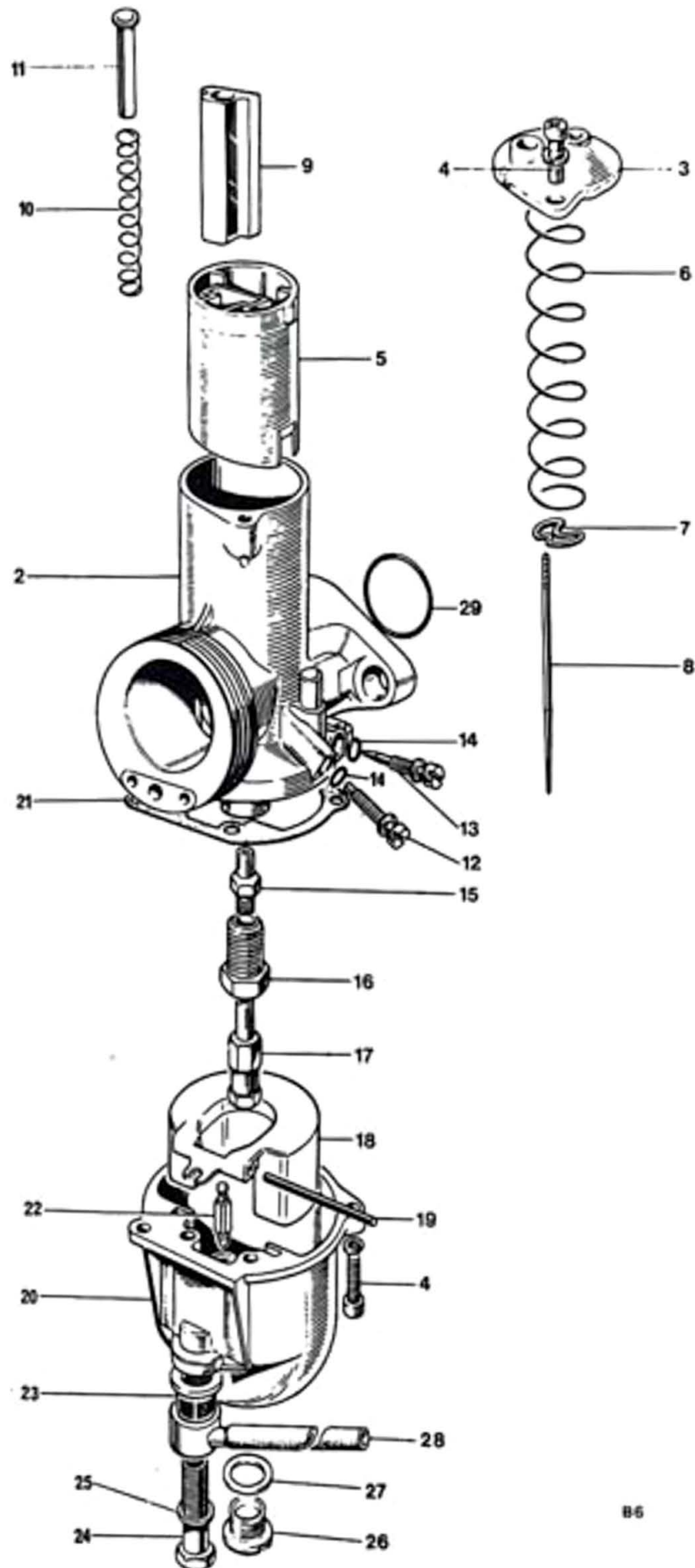
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Fig. 8. AMAL CARBURETOR, TR7RV

## CARBURETOR TR7RV

Ref. No.	Part No.	Description	Quantity	Remarks
1	R930/300	CARBURETOR	1	
2	R930/005	Carburetor body	1	
3	928/098	Mixing chamber top	1	
4	622/086	Screw, float and mixing chamber tops	4	
5	928/060-3	Throttle valve (No. 3 cutaway)	1	
6	622/131	Throttle return spring	1	
7	622/067	Needle clip	1	
8	622/124	Needle	1	
9	928/062	Air valve	1	
10	622/129	Air valve spring	1	
11	928/103	Air valve guide	1	
12	622/077	Throttle stop screw	1	
13	622/076	Pilot air screw	1	
14	622/082	'O' ring for air and throttle screws	2	
15	622/122-106	Needle jet (.106)	1	
16	622/128	Jet holder	1	
17	376/100-270	Main jet (270)	1	
18	622/069	Float	1	
19	622/071	Float spindle	1	
20	622/055	Float chamber	1	
21	622/073	Float chamber washer	1	
22	622/068	Float needle	1	
23	376/093	Filter	1	
24	622/078	Banjo bolt	1	
25	13/163	Banjo washer	1	
26	622/147	Drain plug	1	
27	622/151	Drain plug washer	1	
28	83-4887	Petrol pipe	1	
29	70-9711	'O' ring for flange	1	
	622/172	Tickler complete	1	Not illus.

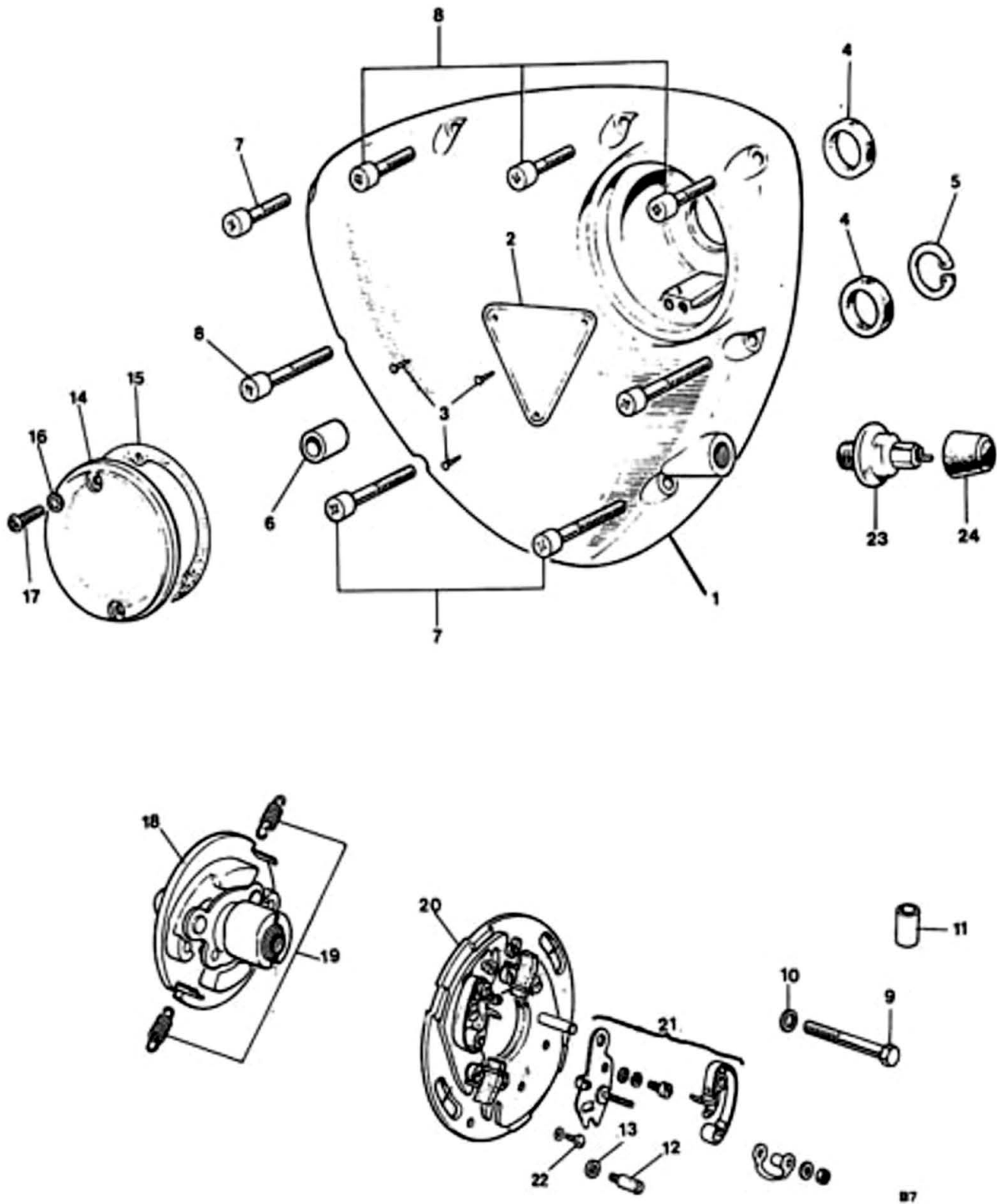




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Fig. 9. AMAL CARBURETOR, T140V

Ref. No.	Part No.	Description	Quantity	Remarks
1	L930/93	CARBURETOR, LEFT	1	
1	R930/92	CARBURETOR, RIGHT	1	
2	L930/005	Carburetor body, LEFT	1	
2	R930/005	Carburetor body, RIGHT	1	
3	928/098	Mixing chamber top	1	
4	622/086	Screw, float and mixing chamber tops	4	
5	928/060-3	Throttle valve (No. 3 cutaway)	1	
6	622/131	Throttle return spring	1	
7	622/067	Needle clip	1	
8	622/124	Needle	1	
9	928/062	Air valve	1	
10	622/129	Air valve spring	1	
11	928/103	Air valve guide	1	
12	622/077	Throttle stop screw	1	
13	622/076	Pilot air screw	1	
14	622/082	'O' ring for air and throttle screws	2	
15	622/122-106	Needle jet (.106)	1	Each Carburetor
16	622/128	Jet holder	1	
17	376/100-190	Main jet (190)	1	
18	622/069	Float	1	
19	622/071	Float spindle	1	
20	622/055	Float chamber	1	
21	622/073	Float chamber washer	1	
22	622/068	Float needle	1	
23	376/093	Filter	1	
24	622/078	Banjo bolt	1	
25	13/163	Banjo washer	1	
26	622/147	Drain plug	1	
27	622/151	Drain plug washer	1	
28	82-6209	Petrol pipe Assembly	1	T140V
29	70-9711	'O' ring for flange	1	Each Carburetor
	622/172	Tickler complete	1	Not Illustrated



**Fig. 10. TIMING COVER AND CONTACT BREAKER**

**TIMING COVER AND CONTACT BREAKER**

Ref. No.	Part No.	Description	Quantity	Remarks
1	71-7042	Timing cover c/w Patent plate	1	
2	70-4016	Patent plate	1	
2	60-4255	Hammer - drive screw	3	
4	70-4568	Oil seal	1	
4	70-6387	Oil seal (0.020 in. undersize)	1	For reground crankshaft
5	70-4569	Circlip	1	
6	57-0989	Hollow dowel	2	
7	14-6609	Screw, long	2	
8	14-6608	Screw, short	6	
9	14-0208	Bolt	1	
10	70-8163	Plain washer	1	
11	70-4707	Rubber grommet	1	
12	70-7680	Pillar bolt	2	
13	70-6559	Plain washer	2	
14	70-8737	Cover	1	
15	71-1462	Joint washer	1	
16	97-0430	Fiber washer	2	
17	70-7354	Screw (1/2" U.H.)	2	
18	54425657	AUTO ADVANCE UNIT	1	
19	54412229	Spring set	1	
20	54425160	CONTACT BREAKER PLATE ASSEMBLY	1	
21	60600271	Contact set	2	
22	54419220	Pin, adjustment	2	
23	PS5330/103	Oil pressure switch	1	
24	71-2930	Cover pressure switch	1	
	60-2138	Timing label for C.B. cover	1	Not illus.

**1977 SILVER JUBILEE**

71-7056 Timing cover c/w Patent plate



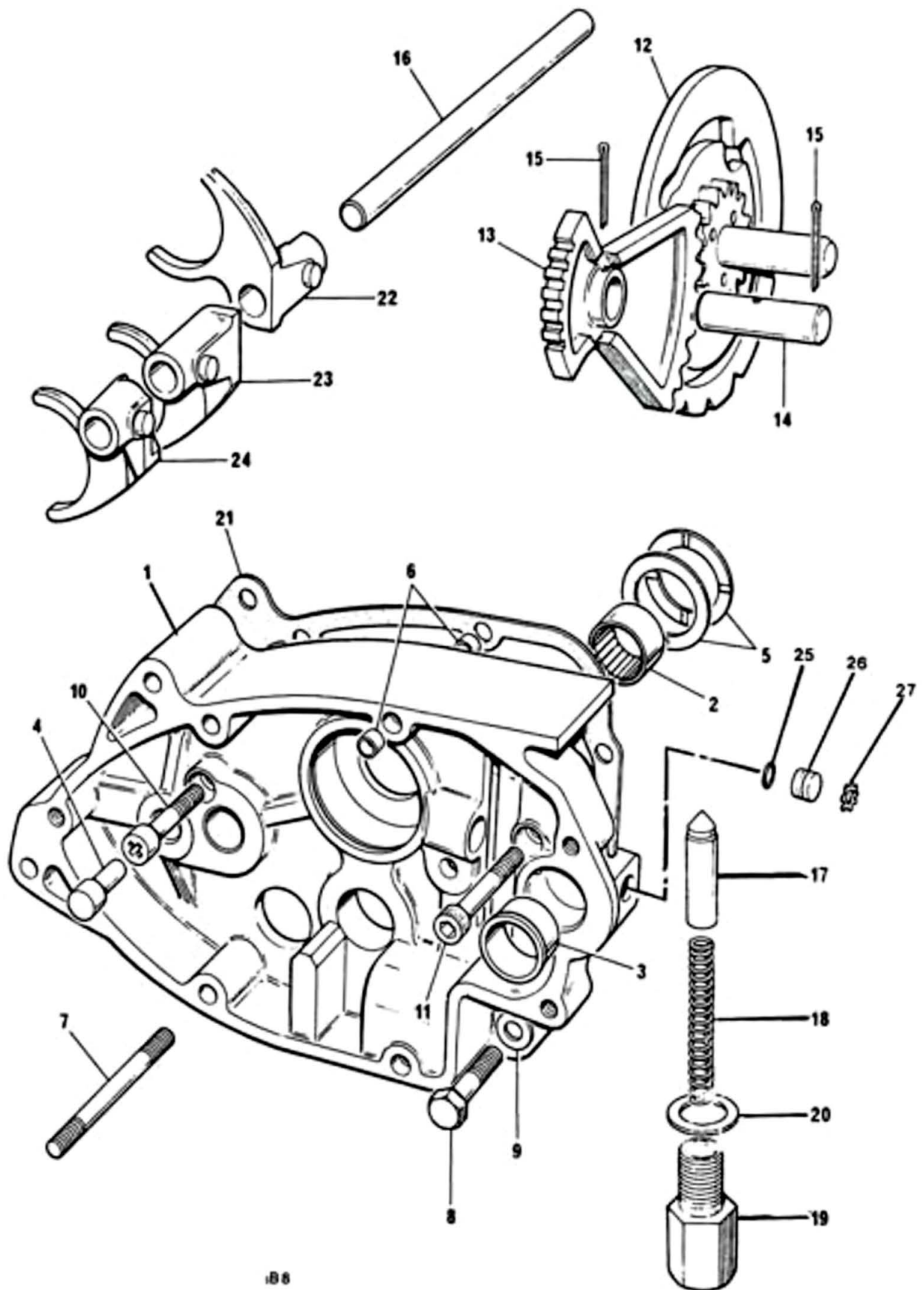


Fig. 11 GEARBOX INNER COVER AND SELECTORS

# GEARBOX INNER COVER AND SELECTORS

Ref. No.	Part No.	Description	Quantity	Remarks
1	57-7001	GEARBOX INNER COVER	1	
2	57-1614	Layshaft bearing	1	
3	57-7009	Gearchange spindle bush	1	
4	57-0045	Kickstart stop	1	
5	57-1607	Thrust washer	2	
6	57-0989	Hollow dowel	4	
7	21-2149	Stud	2	
8	21-1907	Bolt	1	
9	70-3446	Washer	1	
10	14-6608	Screw	1	
11	14-7023	Screw	1	
12	57-4889	Camplate	1	
13	57-7019	Operating quadrant	1	
14	57-7011	Quadrant spindle	1	
16	57-3989	Selector fork rod	1	
17	57-7020	Index plunger	1	
18	57-4459	Plunger spring	1	
19	57-4400	Housing, index plunger	1	
20	57-3978	Washer	1	
21	57-7012	Joint washer, inner cover to crankcase	1	
22	57-4364	Selector fork - mainshaft 4th gear	1	
23	57-4366	Selector fork - layshaft 3rd gear	1	
24	57-4660	Selector fork - layshaft 1st gear	1	
25	37-3761	'O' ring	1	
26	57-7015	Plug	1	
27	57-7016	Retainer	1	

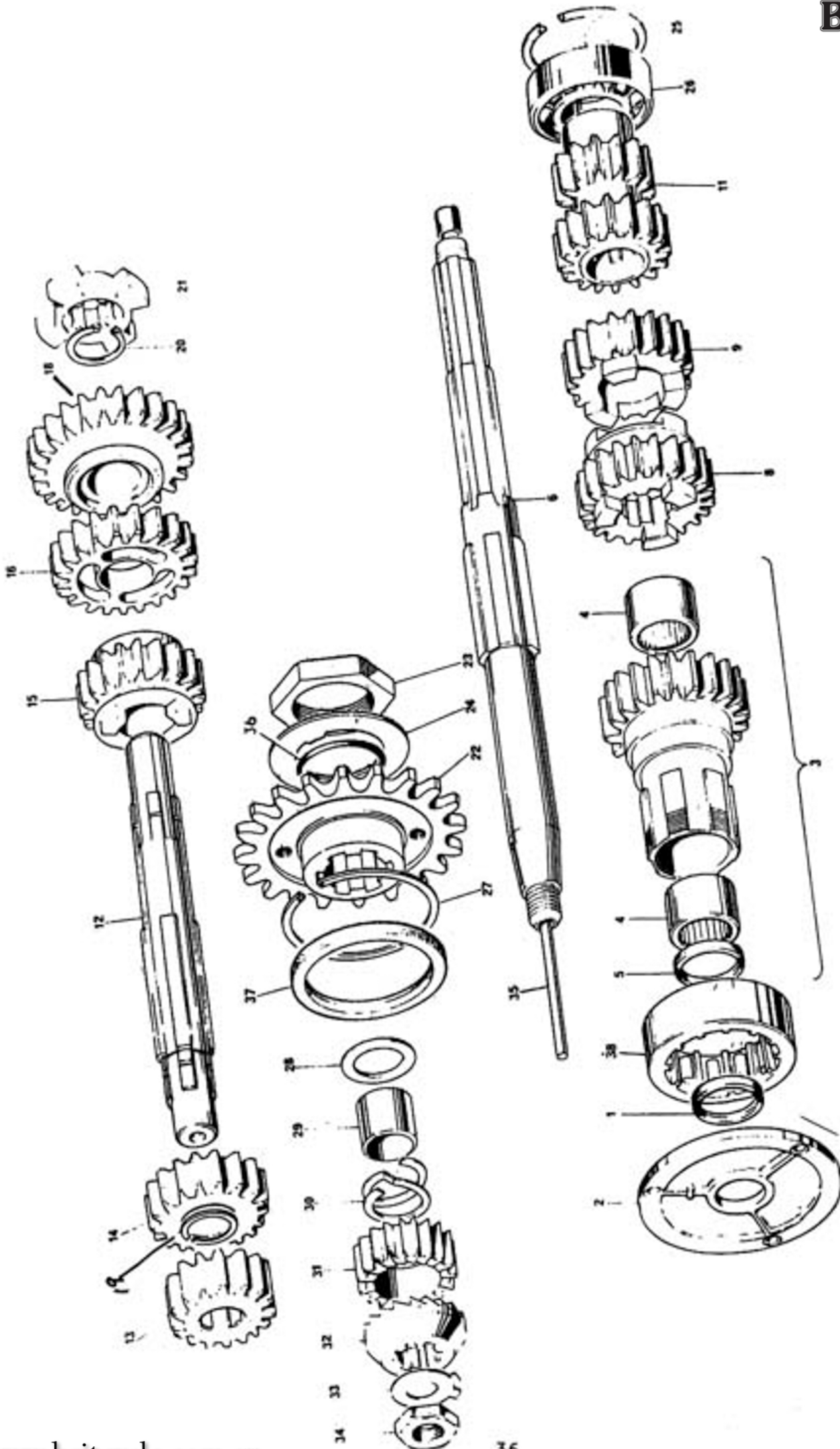


FIG. 12 GEARBOX SHAFTS AND GEARS (5 SPEED)

# GEARBOX SHAFTS AND GEARS

Ref. No.	Part No.	Description	Quantity	Remarks
1	60-3500	Oil seal, cover plate	1	
2	70-3789	Cover plate	1	
3	57-4779	MAINSHAFT HIGH GEAR ASSEMBLY	1	
4	60-3511	Needle roller bearing	2	
5	60-3500	Oil seal, high gear	1	
6	57-4432	MAINSHAFT	1	
7	57-3988	Bush	1	
8	57-4376	Mainshaft 4th gear	1	
9	57-4377	MAINSHAFT 3rd GEAR Assembly	1	
11	57-4653	Mainshaft 1st and 2nd gear	1	
12	57-4901	LAYSHAFT, BARE	1	
13	57-4791	Layshaft high gear	1	
14	57-4787	Layshaft 4th gear Assembly	1	
15	57-4647	Layshaft 3rd gear	1	
16	57-4657	Layshaft 2nd gear Assembly	1	
18	57-4654	Layshaft 1st gear Assembly	1	
19	57-4790	Circlip for layshaft high gear	1	
20	60-3494	Circlip	1	
21	57-4661	Driving dog	1	
22	57-4782	Gearbox sprocket - 20T	1	
23	57-4396	Locknut	1	
24	57-4909	Lock washer	1	
25	70-0489	Circlip	1	
26	60-3552	Mainshaft bearing	1	Hoffman LS8 2 SPOT
27	57-4113	Circlip	1	
28	57-1962	Washer	1	
29	57-1963	Pinion sleeve	1	
30	57-1250	Pinion spring	1	
31	57-0730	Kickstart pinion	1	
32	57-0731	Kickstart ratchet	1	
33	57-2240	Tab washer	1	
34	21-0594	Nut	1	
35	57-1736	Clutch operating rod	1	
36	71-1070	'O' ring, gearbox sprocket	1	
37	60-3512	Oil seal, gearbox sprocket	1	
38	60-4100	High gear bearing	1	



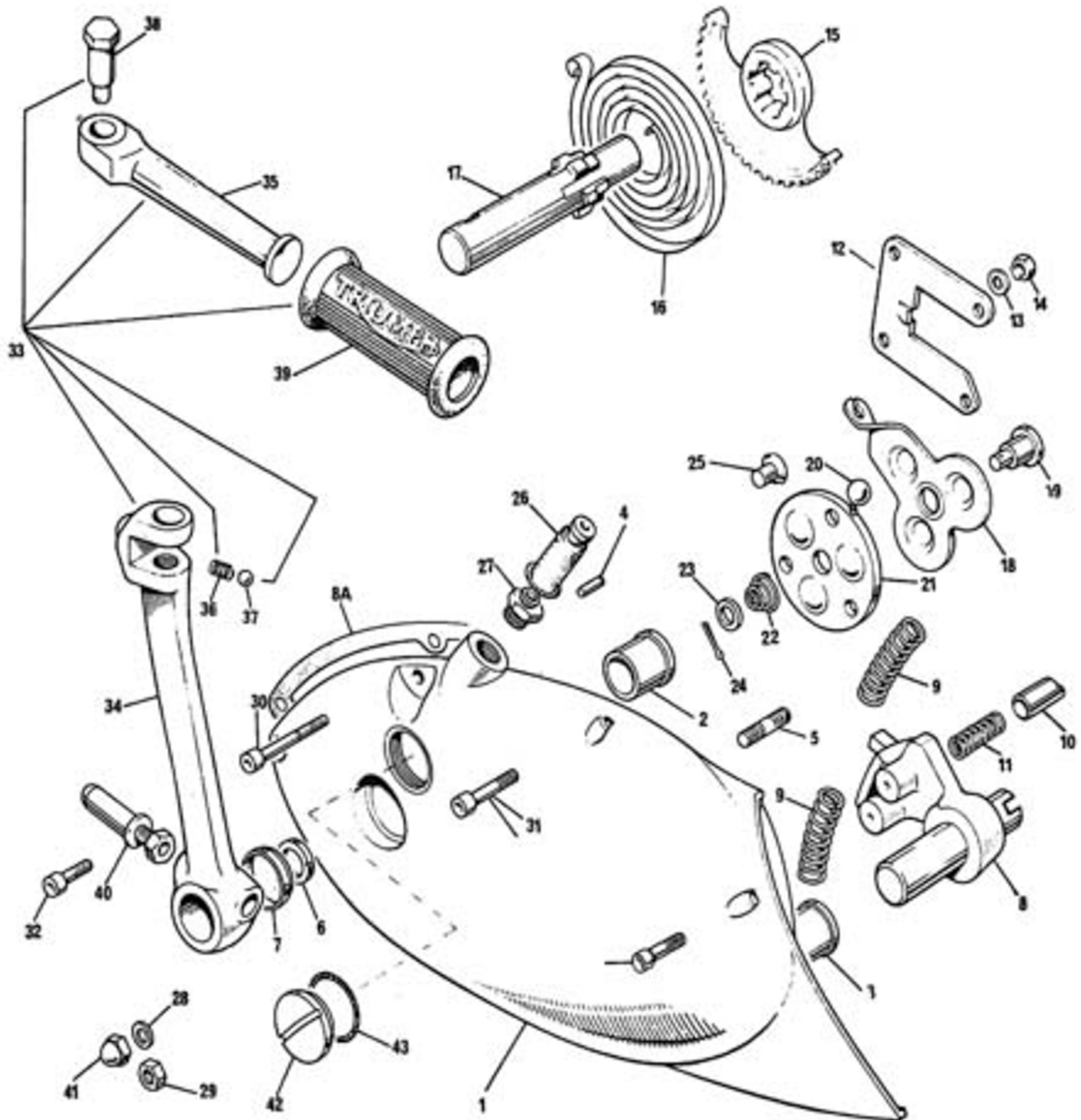


Fig. 13. GEARBOX OUTER COVER

## GEARBOX OUTER COVER

Ref. No.	Part No.	Description	Quantity	Remarks
1	57-7014	GEARBOX OUTER COVER	1	
2	57-0023	Kickstarter spindle bush	1	
3	57-7008	Gearchange spindle bush	1	
4	57-0047	Kickstarter spring anchor pin	1	
5	21-0547	Guide plate stud	4	
6	57-1956	Oil seal	1	
7	57-1955	Oil seal housing	1	
8	57-7021	Gearchange quadrant assembly	1	
8A	71-1448	Gasket outer cover	1	
9	57-0404	Quadrant return spring	2	
10	57-4403	Gearchange quadrant plunger	2	
11	57-0405	Plunger spring	2	
12	57-0407	Guide plate	1	
13	70-1612	Serrated washer	4	
14	14-0301	Nut	4	
15	57-4117	Kickstarter quadrant	1	
16	57-0031	Kickstarter return spring	1	
17	57-4756	Kickstarter axle	1	
NOT ILLUSTRATED 57-4587 CLUTCH LEVER ASSEMBLY			1	Items 18 to 24 inclusive
18	57-4588	Clutch lever	1	
19	57-1710	Lever shaft	1	
20	60-2368	Ball, 3/8 in. diam.	3	
21	57-4589	Thrust plate	1	
22	57-1712	Return spring	1	
23	57-3673	Plain washer	1	
24	60-2701	Split pin (5/64 in. x 1/2 in.)	1	Reference only
25	21-1879	Countersunk screw	2	
26	57-1646	Rubber cover	1	
27	57-3762	Abutment for clutch cable	1	
28	60-4247	Plain washer	2	
29	14-1302	Nut	1	
30	21-2162	Screw	2	
31	14-6609	Screw	2	
32	14-6608	Screw	1	
<u>1977 SILVER JUBILEE</u>				
1	57-7022	Gearbox outer cover - Silver Jubilee	1	
42	71-7038	Filler plug - Silver Jubilee	1	
33	57-7018	FOLDING KICKSTARTER ASSEMBLY	1	
34	57-2173	Kickstarter crank	1	
35	57-7017	Kickstarter pedal	1	
36	57-1167	Pedal locating spring	1	
37	60-2364	Steel ball, 1/4 in. diam.	1	
38	21-0541	Pedal bolt	1	
39	57-2330	Pedal rubber	1	
40	57-4356	Cotter pin c/w nut and washer	1	
41	21-0544	Domed nut	1	
42	57-2166	Filler plug	1	
43	70-8782	'O' ring	1	

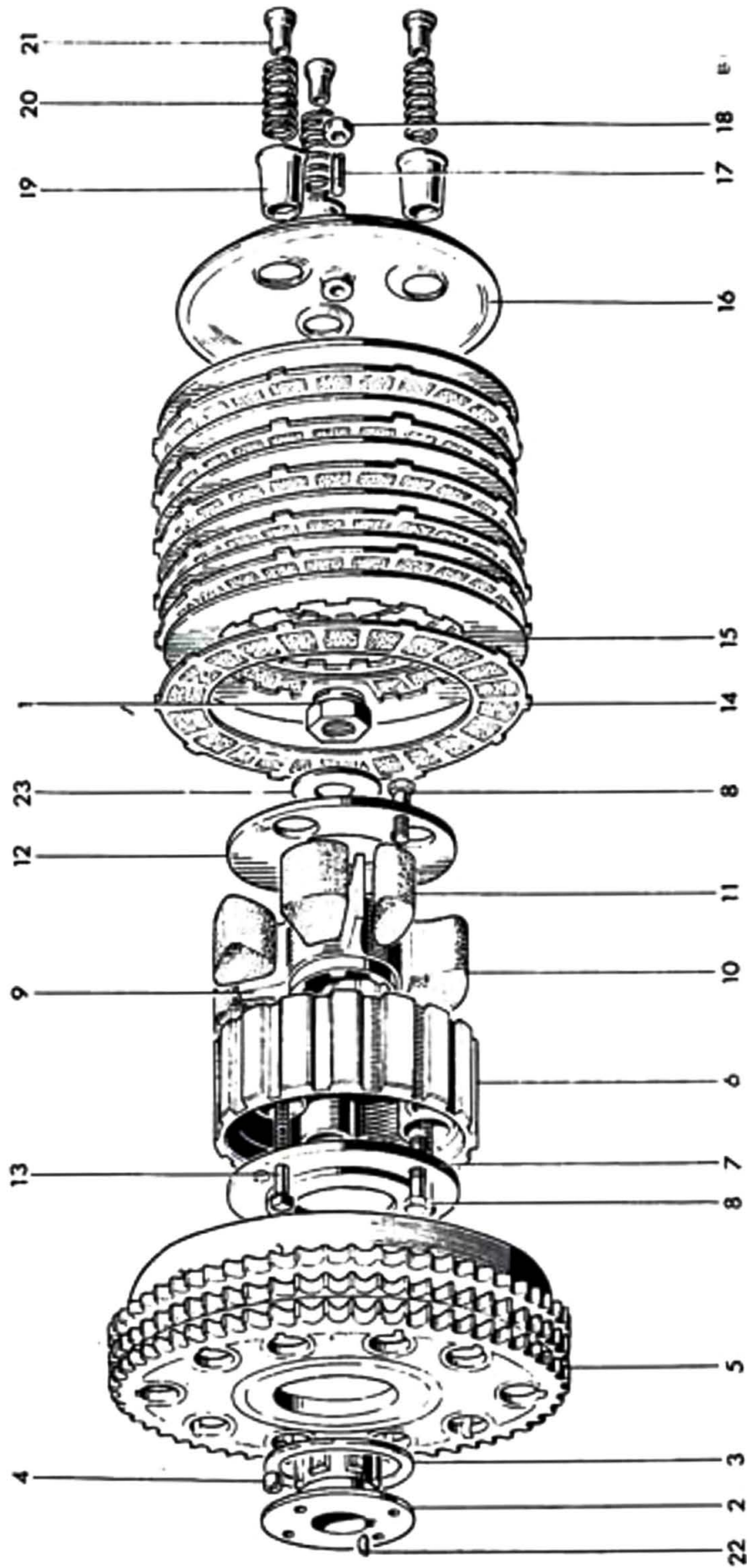


FIG 14. CLUTCH

Ref. No.	Part No.	Description	Quantity	Remarks
1	21-0586	Clutch securing nut	1	
2	57-3929	Hub	1	
3	57-3931	Thrust washer	1	
4	57-0394	Roller	20	
5	57-4640	Sprocket and housing	1	
6	57-4438	Centre	1	
7	57-4436	Inner plate	1	
8	21-2157	Bolt	3	
9	57-4636	Shock absorber spider	1	
10	57-1722	Drive rubber (large)	3	
11	57-1723	Rebound rubber (small)	3	
12	57-4437	Outer plate	1	
13	57-4754	Screwed pin	3	
14	57-4763	Driving plate (bonded)	6	
15	57-1363	Driven plate	6	
16	57-4590	Pressure plate	1	
17	57-2159	Adjuster pin	1	
18	14-0403	Nut	1	
19	57-1931	Spring cup	3	
20	57-4644	Spring	3	
21	57-2526	Pressure nut	3	
22	60-4253	Key	1	
23	57-4794	Washer	1	
Not illustrated	57-4903	Clutch assembly complete	1	
Not illustrated	57-4435	Clutch shock absorber assembly complete	1	



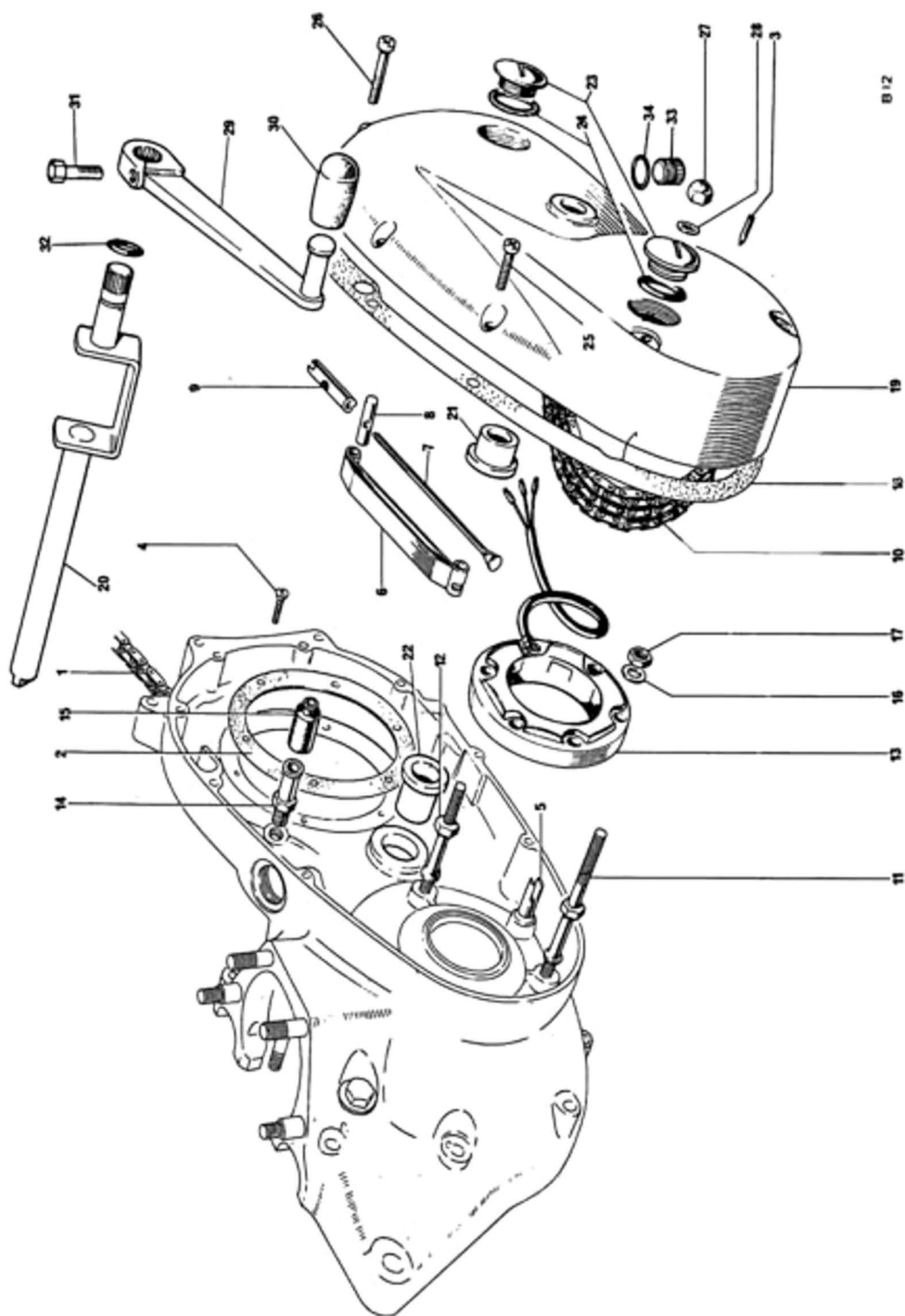
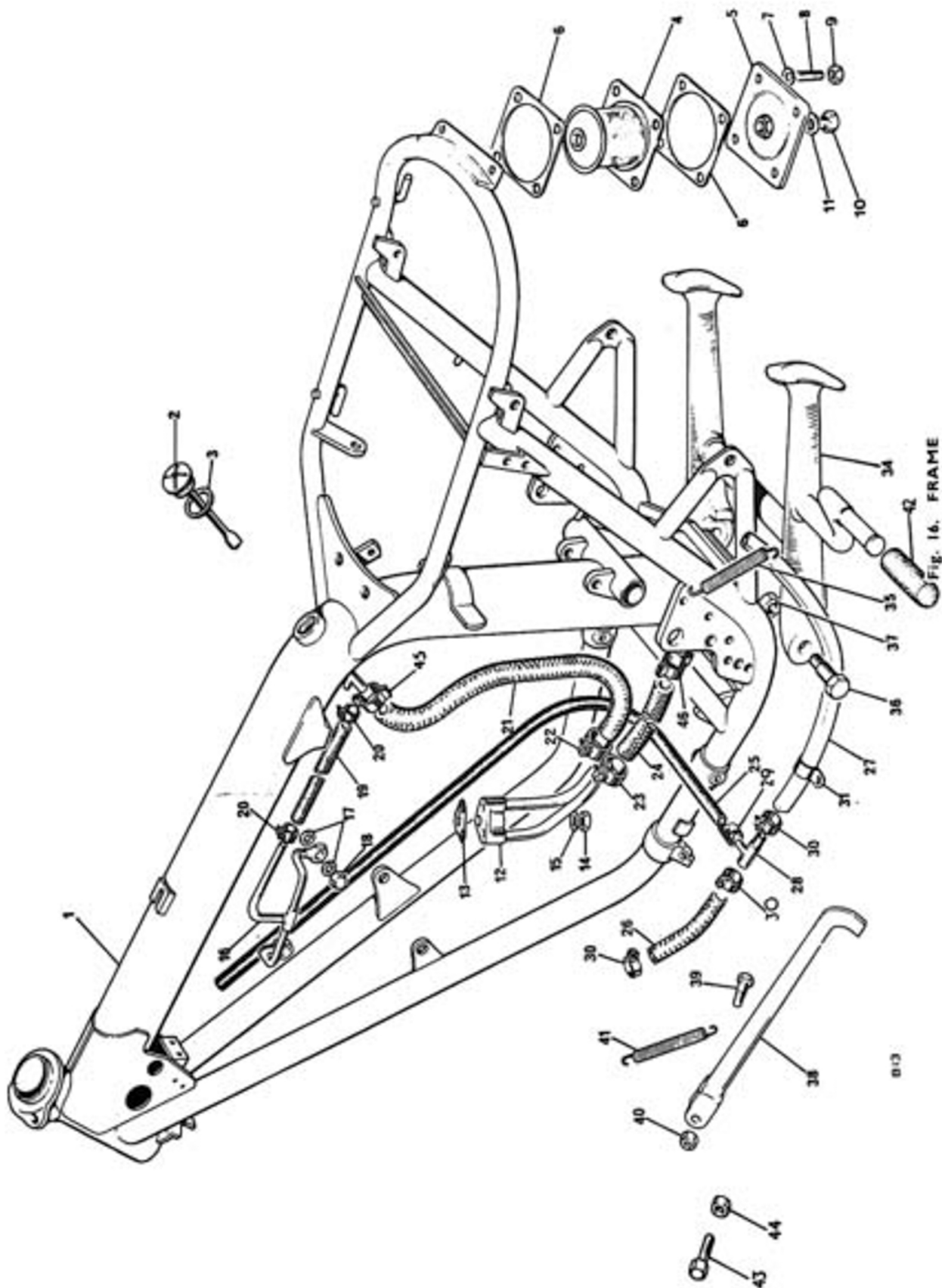


Fig. 15. CHAINCASE AND CHAINS

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# CHAINCASE AND CHAINS

Ref. No.	Part No.	Description	Quantity	Remarks
1	110056/107	Rear chain, 5/8 in. x 3/8 in. x 107 links	1	
2	71-1419	Joint washer	1	
3	71-3892	Timing pointer	1	
4	70-3821	Countersunk screw	6	
5	70-5088	Chain tensioner abutment	1 (also listed with crankcase group)	
6	70-5085	Chain tensioner blade	1	
7	70-4152	Tie rod	1	
8	70-5087	Trunnion	1	
9	70-9703	Adjuster sleeve nut	1	
10	116038/84	Primary chain, 3/8 in. Triplex x 84 links	1	
11	21-2199	Stator stud	2	
12	21-2198	Stator stud	1	
13	47205	Stator, RM21	1	
14	70-9360	Sleeve nut	1	
15	70-4144	Rubber grommet	1	
16	60-4247	Plain washer	3	
17	14-0702	Self-locking nut	3	
18	71-7009	Joint washer	1	
19	71-7003	Chaincase	1	
20	57-7003	Foot change spindle	1	
21	57-0023	Bushing	1	
22	57-7009	Bushing	1	
23	71-3895	Inspection plug	2	
24	71-3896	'O' ring	2	
25	14-6608	Screw	6	
26	14-6620	Screw	2	
27	21-0544	Domed nut	2	
28	82-1880	Copper washer	2	
29	57-7010	Gearchange pedal	1	
30	57-2450	Pedal rubber	1	
31	14-0201	Bolt	1	
32	60-2640	'O' ring shift spindle	1	
33	14-7017	Drain plug - primary cover	1	
34	70-7431	'O' ring - drain plug	1	
<u>1977 SILVER JUBILEE</u>				
19	71-7036	Primary Cover - Silver Jubilee	1	
23	71-7039	Inspection Plug - Silver Jubilee	2	



Ref. No.	Part No.	Description	Quantity	Remarks
1	83-7032	FRAME	1	
2	71-3463	Oil filler cap	1	
3	60-3616	'O' ring	1	
4	83-4783	Oil filter	1	
5	71-3316	Sump plate	1	
6	83-2829	Gasket	2	
7	60-2330	Washer	4	
8	21-2109	Stud	4	Sump plate to frame
9	14-1302	Nut	4	
10	82-5343	Drain plug	1	
11	70-1335	Copper washer	1	
12	71-7013	Oil junction block	1	
13	71-3754	Joint washer	1	
14	21-1908	Nut	1	Junction block to crankcase
15	70-3446	Washer	1	
16	71-3550	Rocker oil pipe	1	
17	70-1335	Washer	4	
18	21-0550	Nut	2	
19	71-3551	Rocker feed pipe	1	
20	70-6848	Clip - rocker feed pipe	2	
21	71-7014	Oil return pipe	1	
22	70-6848	Clip - return pipe	1	
23	82-9073	Clip - feed pipe	1	
24	71-7015	Oil feed pipe	1	
25	71-2349	Oil vent pipe	1	
26	83-5285	Crankcase breather pipe - front	1	
27	83-4813	Crankcase breather pipe - rear	1	
28	83-5290	'T' piece	1	
29	83-7069	Clip - vent pipe to 'T' piece	1	
30	60-2252	Clip - breather pipe, front & rear	2	
31	83-1615	Clip - breather pipe to fender	4	
34	83-4941	Center stand	1	
35	83-3793	Spring	1	
36	21-2077	Pivot bolt	2	
37	14-1304	Nut	2	
38	83-1560	Prop stand	1	
39	82-7021	Bolt	1	
40	14-1303	Nut	1	
41	82-8382	Spring	1	
42	57-2331	Pedal rubber, center stand	1	
Not. illus.	60-3361	Transfer "Made in England"	1	
43	14-0114	Bolt	1	Prop stand stop
44	14-0402	Nut	1	
45	60-4428	'Ear' clamp, oil return pipe	1	
46	60-4429	'Ear' clamp, oil feed pipe	1	



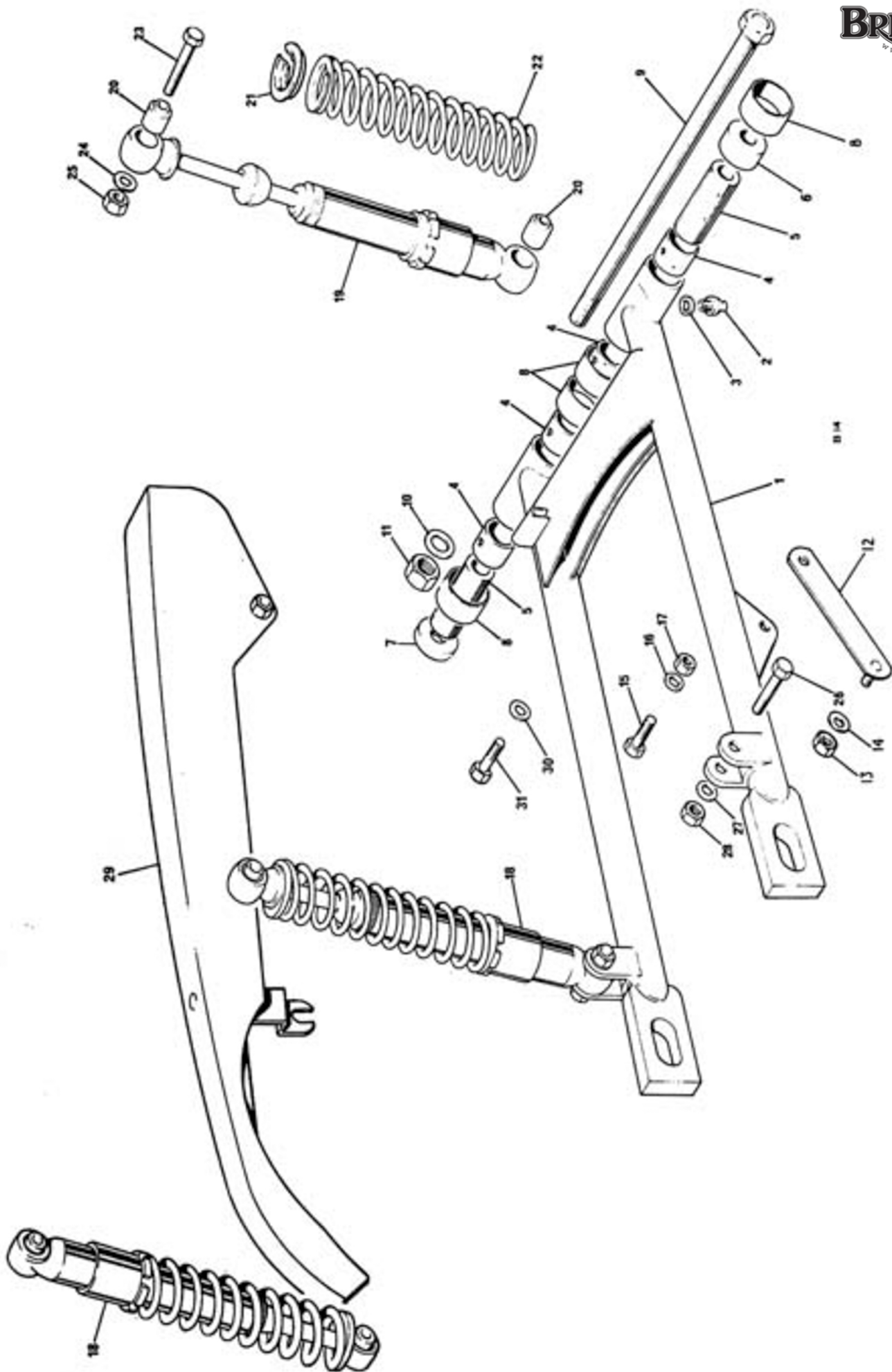


FIG. 17. SWINGING FORK AND SUSPENSION UNITS

# SWINGING ARM AND SUSPENSION UNITS

Ref. No.	Part No.	Description	Quantity	Remarks
1	83-7035	SWINGING ARM	1	
2	60-1841	Grease nipple	2	
3	71-2501	Washer, grease nipple	2	
4	83-2521	Bush, pivot arm	4	
5	83-2694	Sleeve, swinging arm pivot	2	
6	83-2690	Distance piece R.H.	1	
7	83-2689	Distance piece L.H.	1	
8	83-2692	Dirt excluder	4	
9	21-2087	Pivot bolt - swinging arm	1	
10	83-2266	Washer, swinging arm pivot	2	
11	14-1307	Nut, swinging arm pivot	1	
12	83-7028	Brake torque stay	1	
13	14-1303	Nut	1	
14	60-4246	Washer	1	
15	21-7004	Bolt, torque stay to swinging arm	1	
16	60-2332	Washer, torque stay to swing arm	1	
17	14-1304	Nut, torque stay to swinging arm	1	
18	6007	SUSPENSION UNIT	2	
19	6008	Damper unit	2	
20	64541161	Bonded bush	4	
21	70520135	Spring retainer	2	
22	64543708	Spring chrome 110 lbs.	2	
23	14-0235	Bolt, damper - top	2	
24	60-2331	Washer, damper - top	2	
25	14-1303	Nut, damper - top	2	
26	14-0234	Bolt, damper - lower	2	
27	60-2331	Washer, damper - lower	2	
28	14-1303	Nut, damper - lower	2	
29	83-2641	Chainguard	1	
30	60-2347	Washer, chainguard fixing-front	1	
31	14-0206	Bolt, chainguard fixing - front	1	
<u>1977 SILVER JUBILEE</u>				
29	83-7090	Chainguard - Silver Jubilee	1	

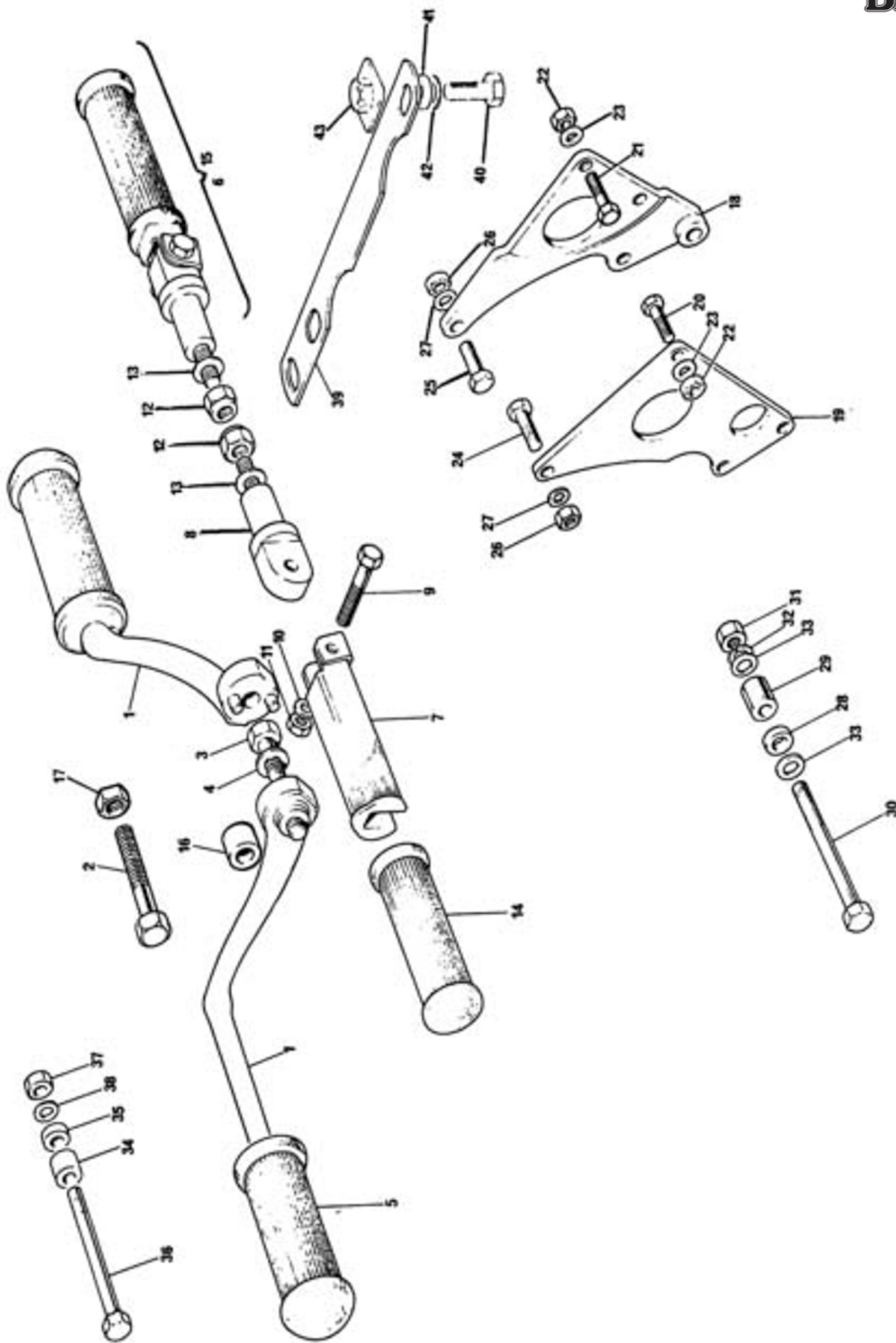


FIG. 1B. MOTOR UNIT FITTING AND FOOTRESTS

**MOTOR UNIT FITTINGS AND FOOTRESTS**

Ref. No.	Part No.	Description	Quantity	Remarks
1	83-7040	Footrest - left and right	2	
2	14-0261	Footrest bolt, right	1	
3	14-0259	Footrest bolt, left	1	
4	60-2333	Washer	2	
5	82-9279	Footrest rubber	2	
6	83-7026	PILLION FOOTREST ASSEMBLY RIGHT	1	
7	83-7059	Pedal	2	
8	21-7001	Anchor bolt, left	1	
8	21-7002	Anchor bolt, right	1	
9	14-0216	Bolt	2	
10	82-9089	Washer	2	Footrest swivel
11	14-1302	Nut	2	
12	14-1303	Nut	2	
13	82-2184	Washer	2	Footrest to frame
14	82-9054	Footrest rubber	2	
15	83-7025	PILLION FOOTREST ASSEMBLY LEFT	1	
16	83-3602	Distance piece left footrest	1	
17	14-1305	Footrest bolt nut	2	
18	83-7011	Rear motor plate right	1	
19	83-7009	Rear motor plate left	1	
20	14-0115	Bolt	4	
21	14-0116	Bolt	1	
22	14-1302	Nut	5	Rear motor plates to frame
23	60-2330	Washer	9	
24	14-0220	Bolt	2	
25	14-0221	Bolt	2	
26	14-1302	Nut	4	Motor to motor plates
27	60-2321	Washer	8	
28	83-2846	Distance piece - left	1	
29	83-2847	Distance piece - right	1	
30	21-2112	Bolt	1	Motor to frame centre
31	14-0304	Nut	1	bottom
32	60-4251	Washer	1	
33	60-2332	Washer	1	
34	83-2848	Distance piece - left	1	
35	83-2849	Distance piece - right	1	
36	14-0254	Bolt	1	Motor fixing front
37	14-1304	Nut	1	
38	60-2332	Washer	1	
39	83-3537	Steady bracket motor to frame	1	
40	14-0129	Bolt	1	
41	83-3329	Distance piece	1	Bracket to frame
42	60-2419	Washer	1	
43	83-4086	Attachment plate	1	



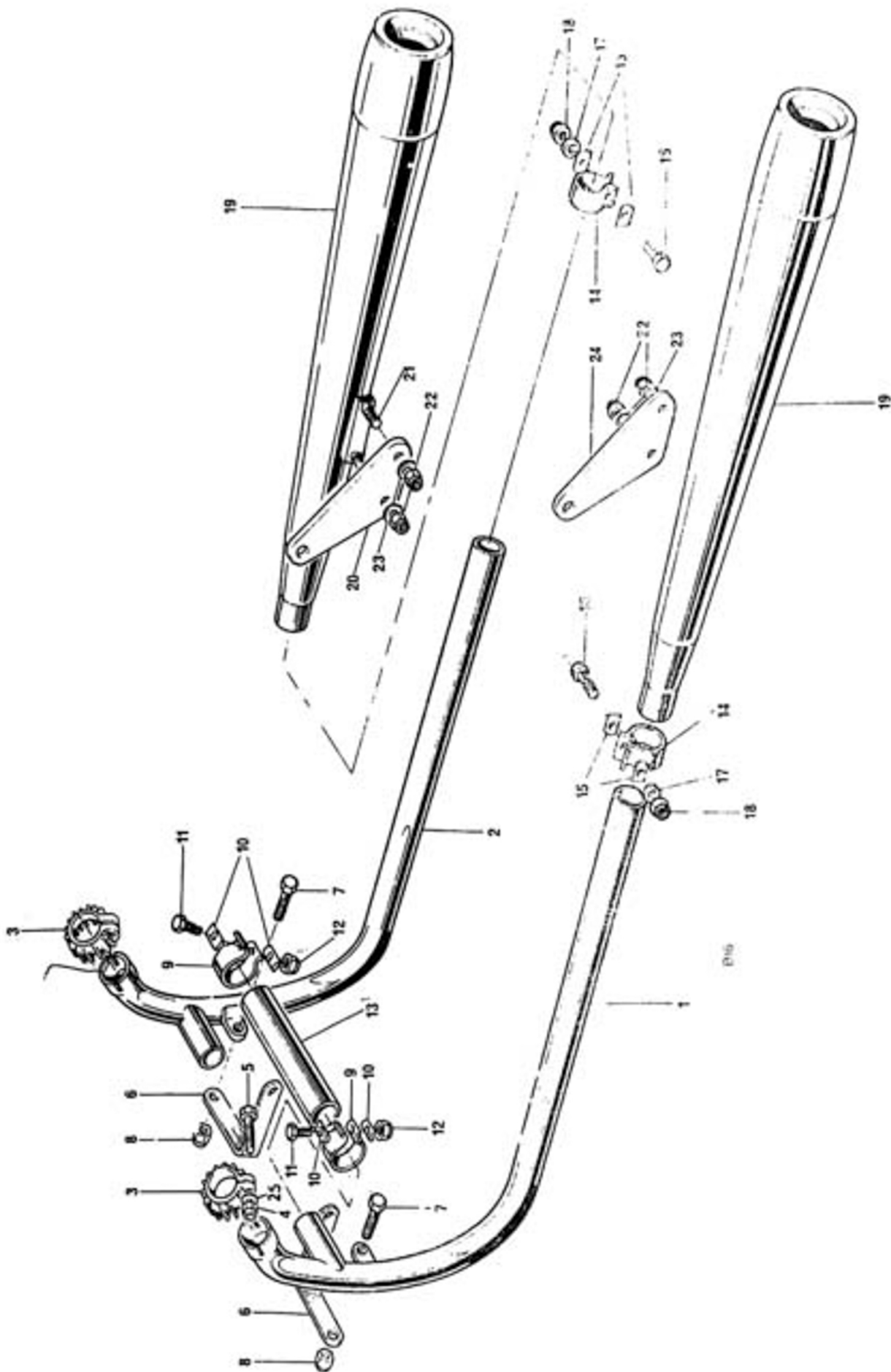
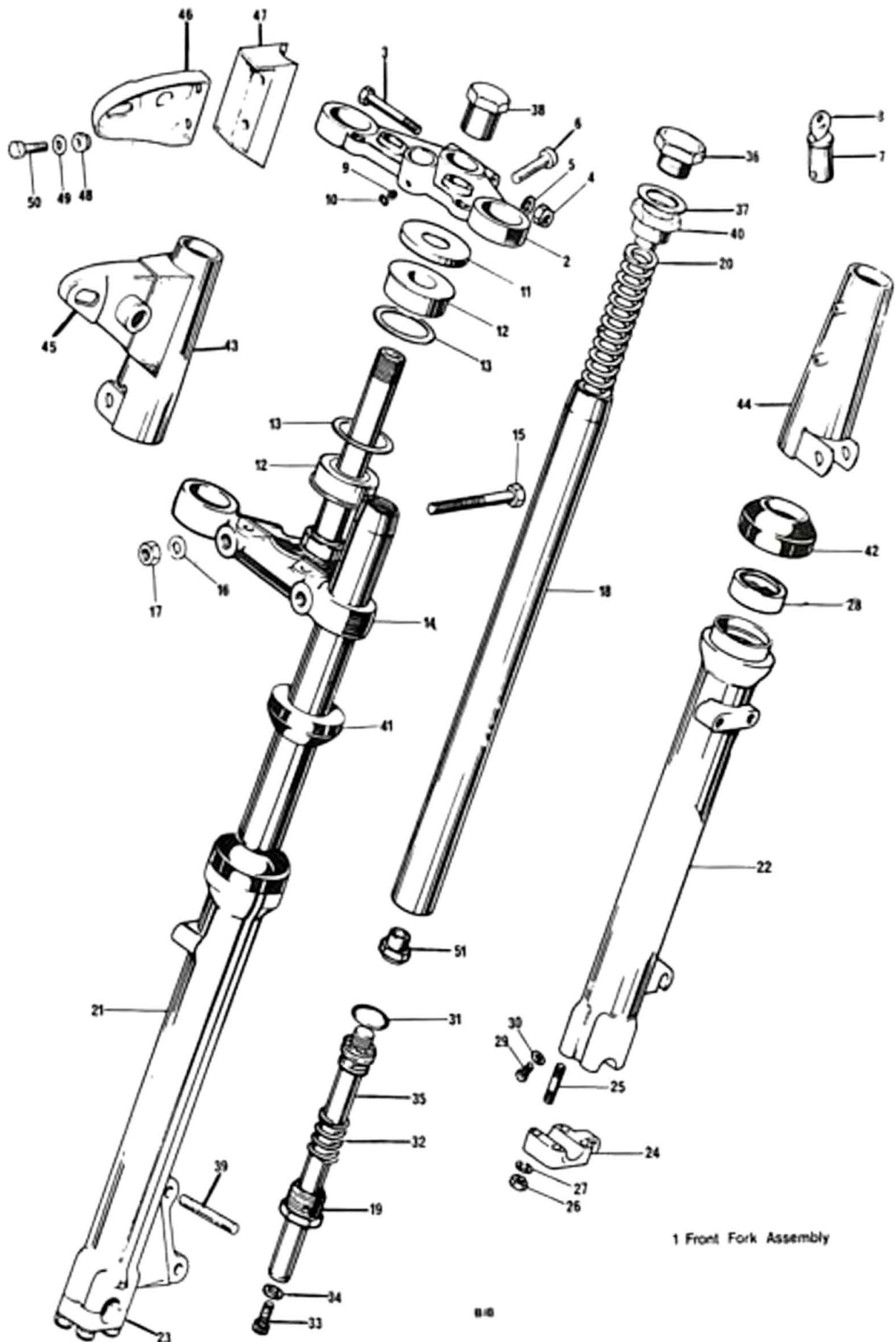


Fig. 19. EXHAUST PIPES AND MUFFLERS

Ref. No.	Part No.	Description	Quantity	Remarks
1	71-3755	Exhaust pipe - left	1	
2	71-3758	Exhaust pipe - right	1	
3	71-2465	Finned clip	2	
4	21-7009	Nut	2	
5	21-2230	Screw	2	
6	70-6857	Exhaust pipe stay	2	
7	14-2205	Screw	2	
8	14-1201	Nut	2	
9	70-7512	Clip	2	
10	70-3768	'D' washer	4	Exhaust pipes to coupling pipe
11	14-0217	Bolt	2	
12	14-1202	Nut	2	
13	70-9888	Coupling pipe	1	
14	70-5874	Clip	2	
15	70-3768	'D' washer	4	Exhaust pipes to mufflers
16	14-0219	Bolt	2	
17	60-4247	Washer	2	
18	14-1202	Nut	2	
19	71-4159	Muffler	2	
20	83-7021	Hanger - muffler right	1	
21	14-0102	Bolt	4	Muffler to hanger
22	14-1201	Nut	4	
23	60-4248	Washer	4	
24	83-7022	Hanger muffler left	1	
25	60-2416	Washer	2	



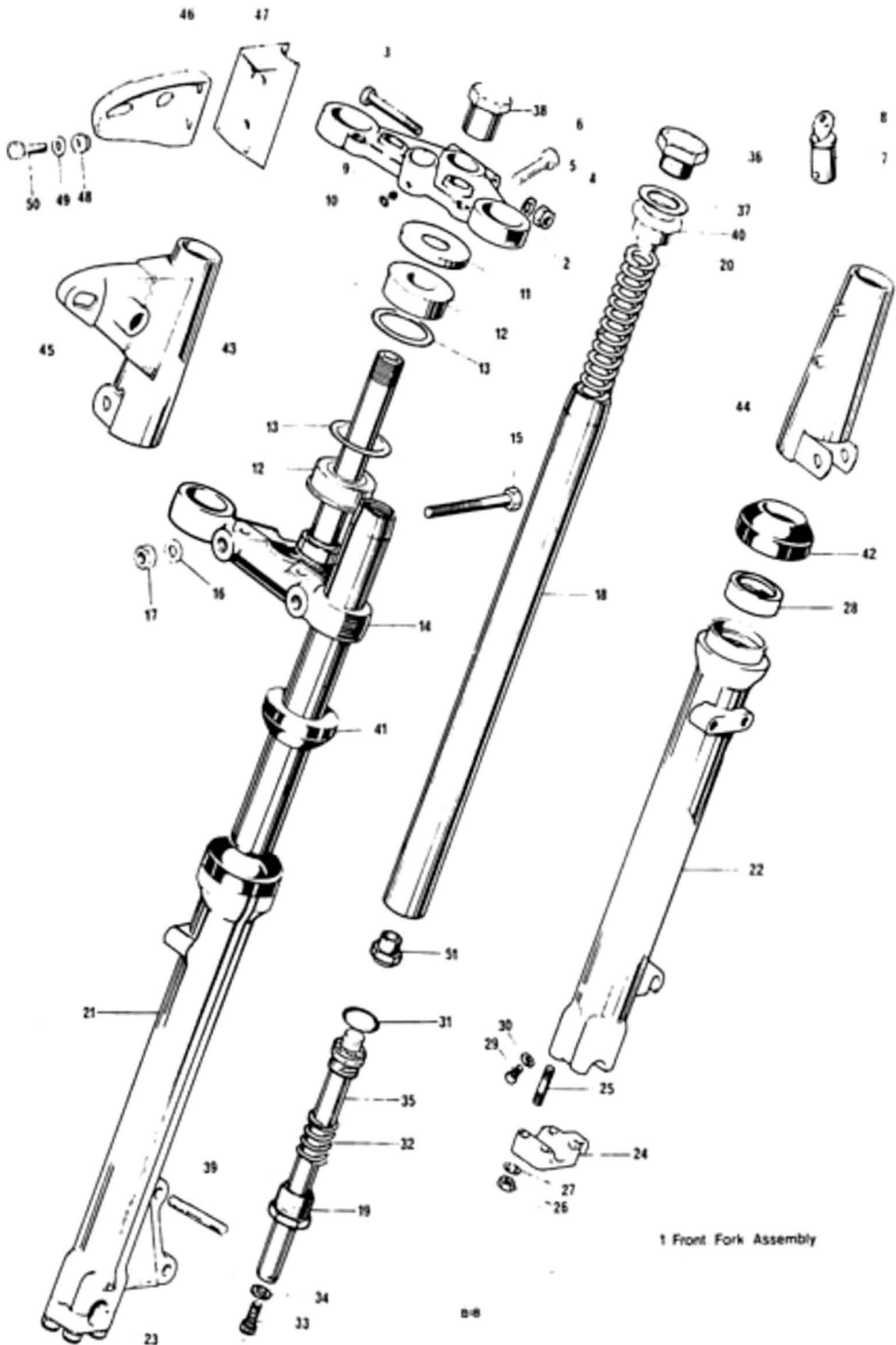
1 Front Fork Assembly

Fig. 10. TELESCOPIC FRONT FORK

TELESCOPIC FRONT FORK

Ref. No.	Part No.	Description	Quantity	Remarks
1	97-4616	FORK ASSEMBLY	1	General
1	97-4396	FORK ASSEMBLY	1	U.S.A.
2	97-4397	Top Yoke	1	c/w lock assy.
3	14-0234	Pinch bolt	1	
4	14-1303	Nut	1	
5	60-2331	Washer	1	
6	14-1034	Cap screw	2	
7	82-6738	Lock c/w 2 keys	1	
8	19-5151 & on	Key (state serial no.)	1	See page 7 for key serials.
9	21-0578	Grub screw	1	
10	97-2266	Sealing washer	1	
11	83-2007	Abutment ring	2	
12	97-4031	Taper roller bearing	2	
13	97-4028	Dust cover	2	
14	97-4385	Bottom yoke and stem	1	
15	14-0237	Pinch bolt, right	1	
15	97-4476	Eye bolt, left	1	
16	82-2184	Washer	3	
17	14-1303	Nut	2	
18	97-4380	Stanchion	2	
19	97-4076	End plug	2	
20	97-4011	Main spring	2	
21	97-4399	OUTER MEMBER - LEFT	1	
22	97-4579	OUTER MEMBER - RIGHT	1	
23	97-4456	Cap, wheel spindle - left	1	
24	97-4457	Cap, wheel spindle - right	1	
25	21-2102	Stud	8	
26	14-0302	Nut	8	
27	60-2428	Washer	8	
28	97-7010	Oil seal & retainer	2	
29	97-3894	Drain plug	2	
30	97-3893	Washer	2	
31	97-4003	'O' ring	2	
32	97-4009	Recoil spring	2	
33	14-1019	Cap screw	2	
34	97-4004	Cap screw seal	2	
35	97-4325	Damper tube and valve assembly	2	
36	97-4395	Cap screw	2	
37	97-4166	Washer	2	
38	97-4317	Steering stem nut	1	
39	21-2189	Stud, caliper to outer member	2	
40	97-4387	Top nut	2	
41	97-4461	Rubber ring, outer cover	2	
42	97-4002	Scraper sleeve	2	USA





1 Front Fork Assembly

Fig. 20. TELESCOPIC FRONT FORK

## TELESCOPIC FRONT FORK (continued)

Ref. No.	Part No.	Description	Quantity	Remarks
43	97-4480	Outer cover - left	1	
44	97-4481	Outer cover - right	1	
45	97-4121	Headlamp bracket - left	1	
46	97-4203	Headlamp bracket - right	1	
47	97-2208	Rubber mounting	2	
48	97-2209	Rubber buffer	4	
49	97-2210	Backing washer	4	
50	21-2095	Attachment bolt	4	
Not illus.	82-6784	Grommet, throttle cable	1	
51	97-4012	Nut, damper valve	1	

## ALTERNATIVE FITMENTS

52	97-1510	Gaiter - fork outer cover	2	
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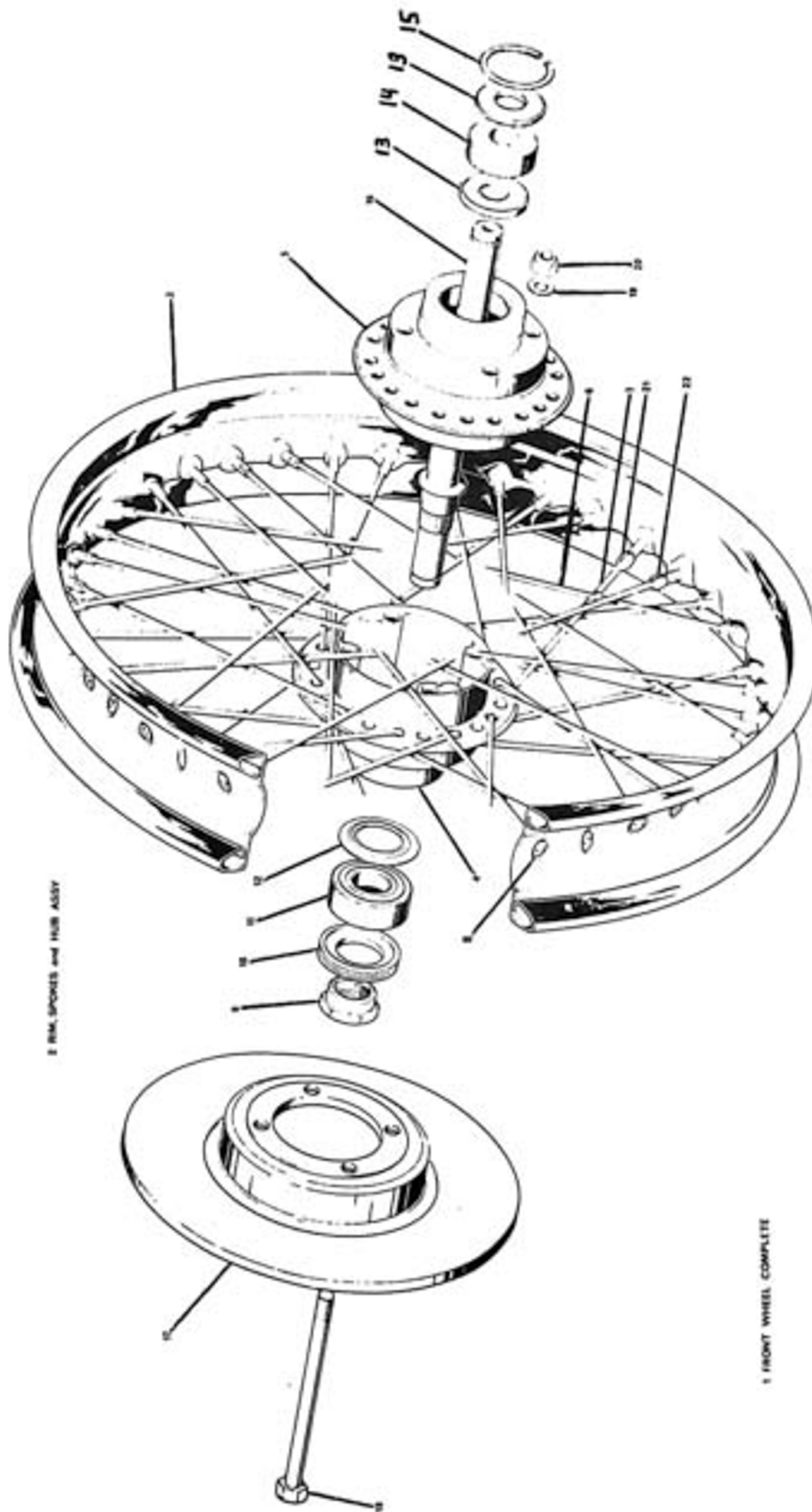


Fig. 22 FRONT WHEEL

# FRONT WHEEL

Ref. No.	Part No.	Description	Quantity	Remarks
1	37-4141	FRONT WHEEL COMPLETE	1	
2	37-4143	RIM, SPOKES AND HUB ASSEMBLY	1	
3	37-4129	Rim - WM2 x 19	1	
4	37-4126	Hub - left half	1	
5	37-4127	Hub - right half	1	
6	37-4131	Spoke - outer	20	
7	37-4130	Spoke - inner	20	
8	37-2294	Spoke nipple	40	
9	37-4133	Nut, wheel spindle	1	
10	37-4134	Lock ring - left	1	
11	37-7041	Bearing - left (metric 125)	1	
12	37-4135	Grease retainer - left	1	
13	37-1237	Dust cover - right	2	
14	37-7042	Bearing - right (metric 120)	1	
15	57-0280	Circlip - right	1	
16	37-4132	Spindle	1	
17	37-4275	Disc	1	
18	21-2207	Bolt	4	
19	70-8770	Washer	4	
20	14-1903	Nut	4	
21	37-3969	Balance weight	As reqd.	
22	37-3970	Balance weight	As reqd.	

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1	37-7039	FRONT WHEEL COMPLETE	1	
2	37-7040	RIM, SPOKES & HUB ASSEMBLY	1	
3	37-7036	Rim, WM2 x 19	1	



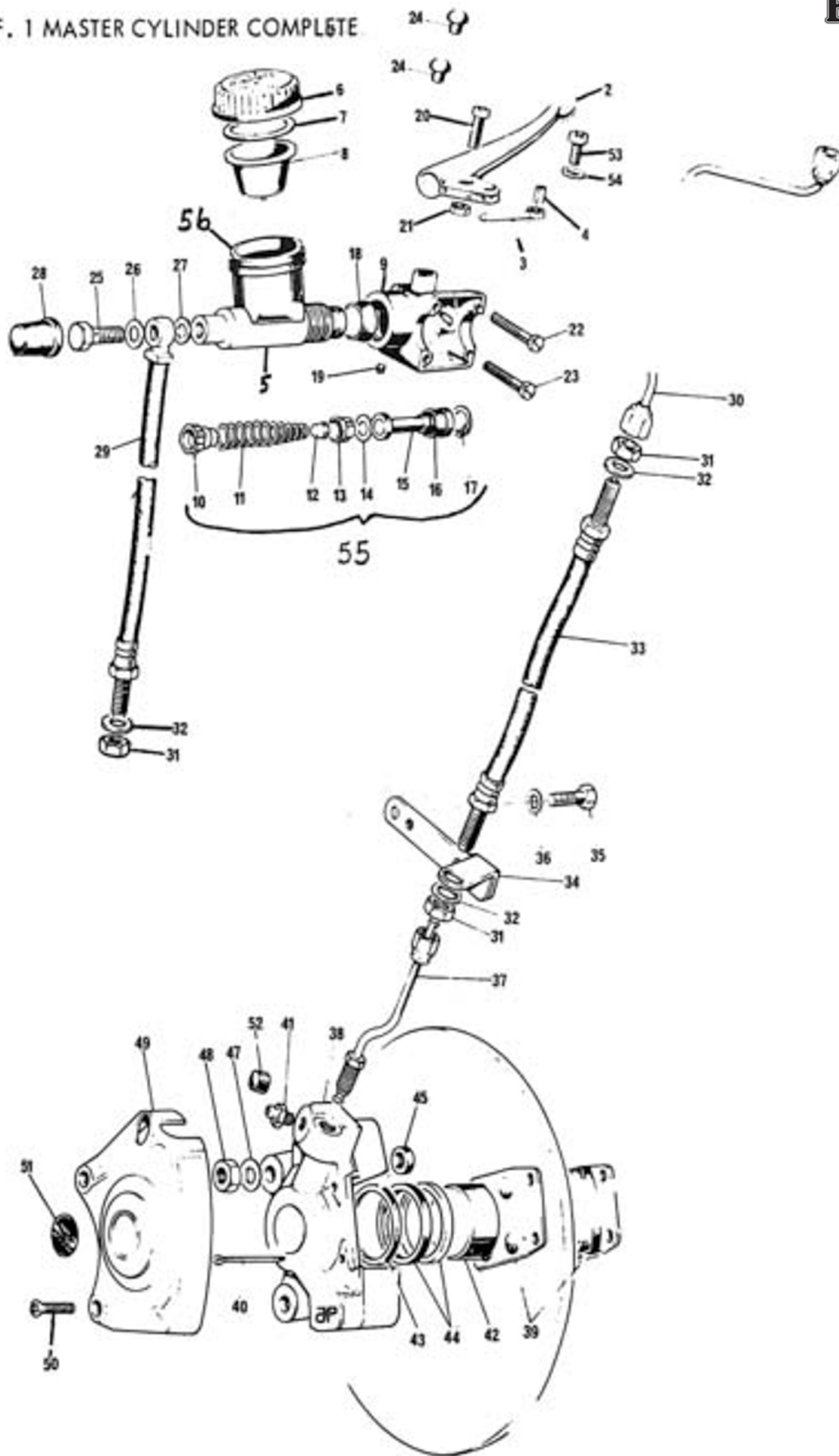


Fig. 23. FRONT BRAKE

# FRONT BRAKE

Ref. No.	Part No.	Description	Quantity	Remarks
1	60-4102	MASTER CYLINDER	1	
2	60-4206	Brake lever assembly	1	
3	AP.LTD	Piston	Ref. only	
4	AP.LTD	Spiral pin	Ref. only	
5	99-7027	Barrel only	1	
6	60-4365	Cap	1	
7	60-4328	Washer	1	
8	60-4366	Diaphragm	1	
9	99-2753	Switch housing	1	
10	99-2754	Trap valve	1	
11	99-2755	Spring	1	
12	99-2756	Spring retainer	1	
13	99-2757	Primary cup	1	
14	99-2758	Piston washer	1	
15	99-2759	Piston	1	
16	99-2760	Secondary cup	1	
17	99-2761	Circlip	1	
18	99-2762	Rubber boot	1	
19	99-2763	Grub screw	1	
20	21-2191	Pivot screw	1	
21	14-1201	Nut	1	
22	21-2192	Screw, short	2	
23	21-2194	Screw, long	2	
24	70-7573	Plug	1	
25	60-4183	Banjo bolt	1	
26	60-4182	Sealing washer	1	
27	60-4184	Sealing washer	1	
28	60-4186	Rubber boot	1	
29	60-4176	Hose, master cylinder/ top yoke, c/w Boot	1	For high handlebar
29	60-4619	Hose, master cylinder/ top yoke,	1	For low handlebar
30	60-4179	Pipe, top yoke/bottom yoke	1	
31	60-4180	Locknut	3	
32	70-2288	Washer	3	
33	60-4175	Hose, bottom yoke/fork leg	1	
34	83-7064	Bracket - pipe support	1	
35	14-0103	Bolt	2	} Bracket to fork leg & bridge piece
36	60-2427	Washer	2	
37	60-4178	Pipe, fork leg/caliper	1	
38	60-4101	CALIPER	1	
39	99-2769	Brake pad kit	2	
40		Cotter Pin	Ref. only	
41		Bleed nipple	Ref. only	
	99-7006	Caliper seal kit	1	Not illustrated

REF. 1 MASTER CYLINDER COMPLETE

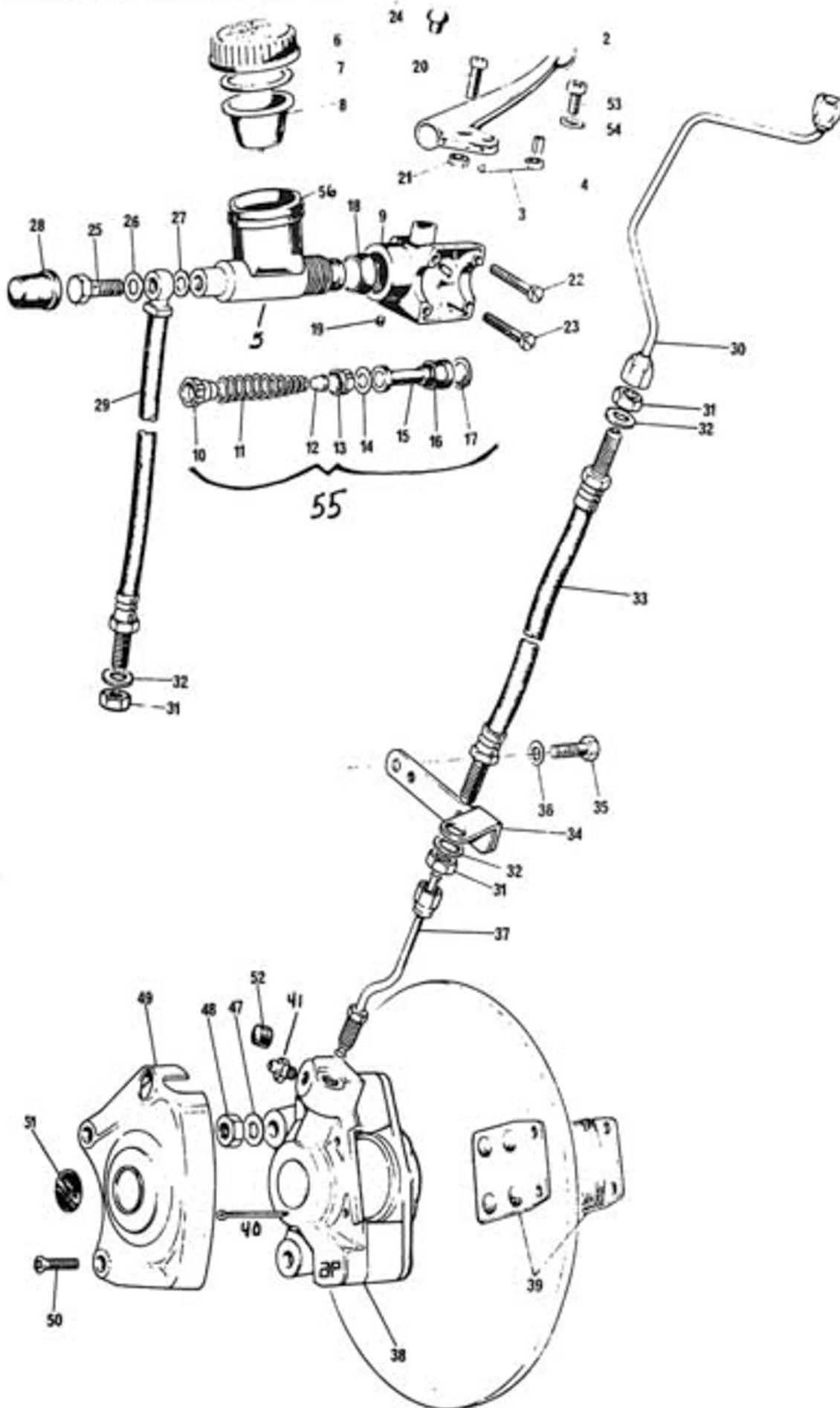


Fig. 23. FRONT BRAKE

FRONT BRAKE (Continued)

Ref. No.	Part No.	Description	Quantity	Remarks
47	60-2331	Washer	4	Caliper to outer member
48	14-1303	Nut	2	
49	37-4263	Cover, caliper	1	
50	21-2196	Screw, cover attachment	2	
51	60-4156	Decal, caliper cover	1	
52	60-4266	Cover, bleed nipple	1	
53	21-1998	Screw, stop switch to lever body	1	
54	21-7008	Washer, for screw	1	
55	99-2768	Front master cyl. seal kit	1	
56	60-4397	Reservoir	1	
57	60-4374	'O' ring for reservoir	1	Not illustrated
58	14-0102	Bolt - reservoir to barrel	1	Not illustrated
59	60-2427	Spring washer for bolt	1	Not illustrated
60	60-4399	Washer	1	Not illustrated
61	60-4398	Distance Piece - reservoir to barrel	1	Not illustrated

Note: See page 67 for example of parts not illustrated



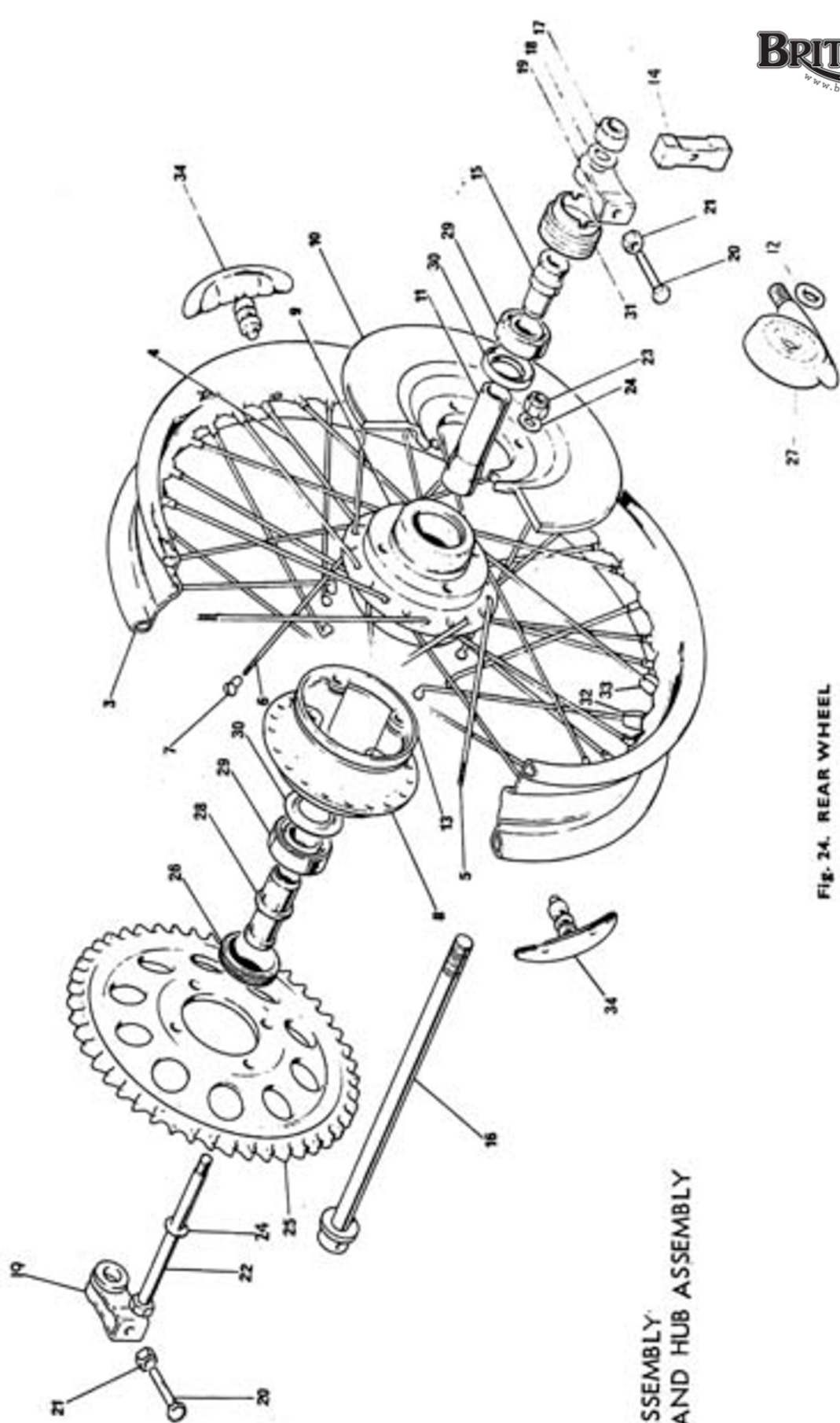


Fig. 24. REAR WHEEL

REF. 1 REAR WHEEL ASSEMBLY  
REF. 2 RIM, SPOKES AND HUB ASSEMBLY

# REAR WHEEL

Ref. No.	Part No.	Description	Quantity	Remarks
1	37-7035	REAR WHEEL ASSEMBLY	1	
2	37-7045	RIM, SPOKES AND HUB ASSEMBLY	1	
3	37-7030	Rim-W.M.3 - 18	1	
4	37-7031	Spoke, inner - right and left	20	
5	37-7032	Spoke, outer - right	10	
6	37-7033	Spoke, outer - left	10	
7	37-7034	Nipple	40	
8	37-7001	Hub - left half	1	
9	37-7002	Hub - right half	1	
10	37-4275	Disc	1	
11	37-7005	Spacer tube - bearings	1	
12	37-7021	Washer - speedometer drive gearbox	1	*used only with latest caliper plate 37-7020
13	37-7010	Center spacer - rear hub	1	
14	83-3082	Cover plate - fork end	2	
15	37-7003	Spacer - right bearing	1	
16	37-3965	Spindle	1	
17	14-1307	Nut - wheel spindle (5/8" UNF self locking)	1	
18	83-2266	Washer - wheel spindle nut (.656"-1.000"-.092")	1	
19	37-3742	Adjuster - chain	2	
20	14-0107	Screw - chain adjuster (1/4" UNF x 1 1/2" UH)	2	
21	14-0301	Nut - chain adjuster screw (1/4" UNF)	2	
22	21-7005	Bolt - disc to sprocket	4	
23	14-1903	Nut - disc/sprocket bolt (3/8" UNF self locking)	4	
24	22 70-8770 23	Washer - disc/sprocket nut (.390"-.625"-.064")	8	
25	37-7016	Sprocket - rear wheel 47T	1	
26	37-4134	Lock ring - left bearing	1	
27	60-3213	Speedometer drive unit	1	
28	37-7006	Spacer - left bearing	1	
29	37-7041	Bearing - left and right	2	
30	37-4135	Grease retainer	2	
31	37-7004	Driving ring - speedo. unit	1	
32	37-3969	Balance weight - short	As req'd.	
33	37-3970	Balance weight - long	As req'd.	
34	37-3468	Security bolt	2	
	37-7044	Sprocket - rear wheel 45T	As req'd. - spares only	

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1	37-7037	REAR WHEEL ASSEMBLY	1	
2	37-7046	RIM, SPOKES AND HUB ASSEMBLY	1	
3	37-7038	Rim	1	

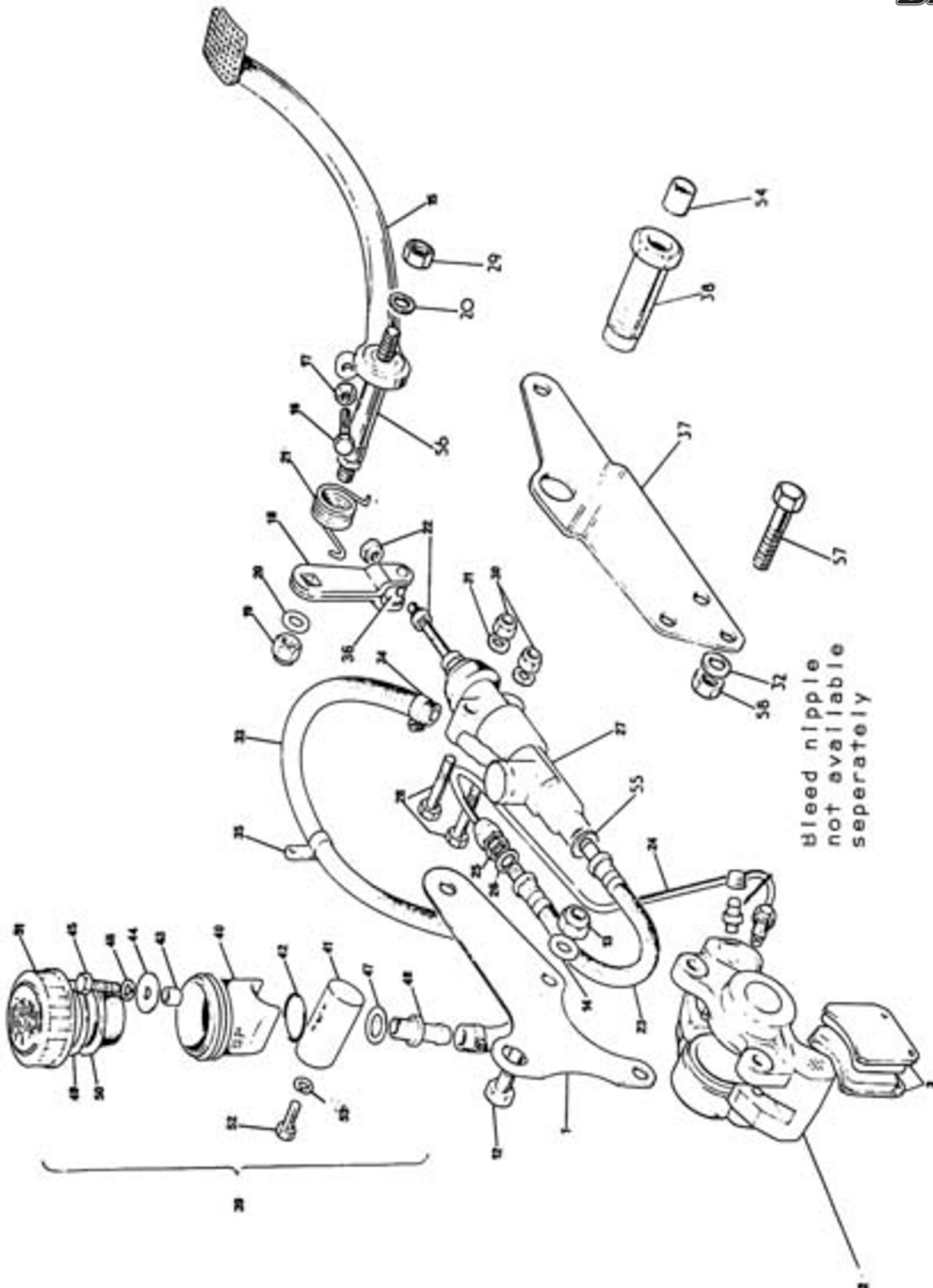


Fig. 25. REAR BRAKE

# REAR BRAKE

Ref. No.	Part No.	Description	Quantity	Remarks
1	37-7020	Rear caliper mounting plate	1	
2	60-4101	CALIPER	1	
3	99-2769	Brake pad kit	1	
6	99-2765	Piston	2	Not illustrated
12	14-0232	Bolt, caliper to mounting	2	
13	14-1203	Nut, caliper to mounting plate bolt	2	
14	82-2184	Washer, for nut	2	
15	83-7044	Brake pedal	1	
16	14-0103	Screw, adjuster - stop light	1	1/4"UNFx3/8" U.H.
17	14-0301	Nut, adjuster screw	1	1/4"UNF
18	83-7003	Trunnion lever	1	
19	14-1303	Nut - brake pedal spindle inner	1	
20	60-2331	Washer, for nut	2	
21	83-7016	Return spring, brake pedal	1	
22	21-7006	Adjuster nut, push rod	2	5/16"UNF shouldered
23	60-7028	Hose, master cylinder to pipe	1	
24	60-7007	Pipe, hose to caliper	1	
25	60-4180	Nut, hose to bracket	1	
26	70-2288	Serrated washer, hose to bracket	1	
27	60-4401	MASTER CYLINDER COMPLETE	1	
28	21-7007	Bolt, master cylinder fixing	2	
29	14-1903	Nut, brake pedal spindle, outer	1	
30	14-1302	Nut, cylinder to frame bolt	2	5/16"UNF self- locking
31	60-2330	Washer for nut	2	
32	60-2330	Washer for master cylinder fixing, rear	1	
33	60-4409	Hose, reservoir to master cylinder	1	
34	60-7030	Clip, hose	2	
35	83-7049	Clip, hose	1	
36	83-7024	Trunnion	1	
37	83-7018	Mounting plate, master cylinder	1	
38	83-7053	Pivot bolt assy with bushes	1	
39	83-5465	Reservoir assembly	1	
40	60-4397	Body, reservoir	1	
	99-7006	Caliper seal kit	1	Not illustrated
	83-7015	Distance piece trunnion lever	1	Not illustrated



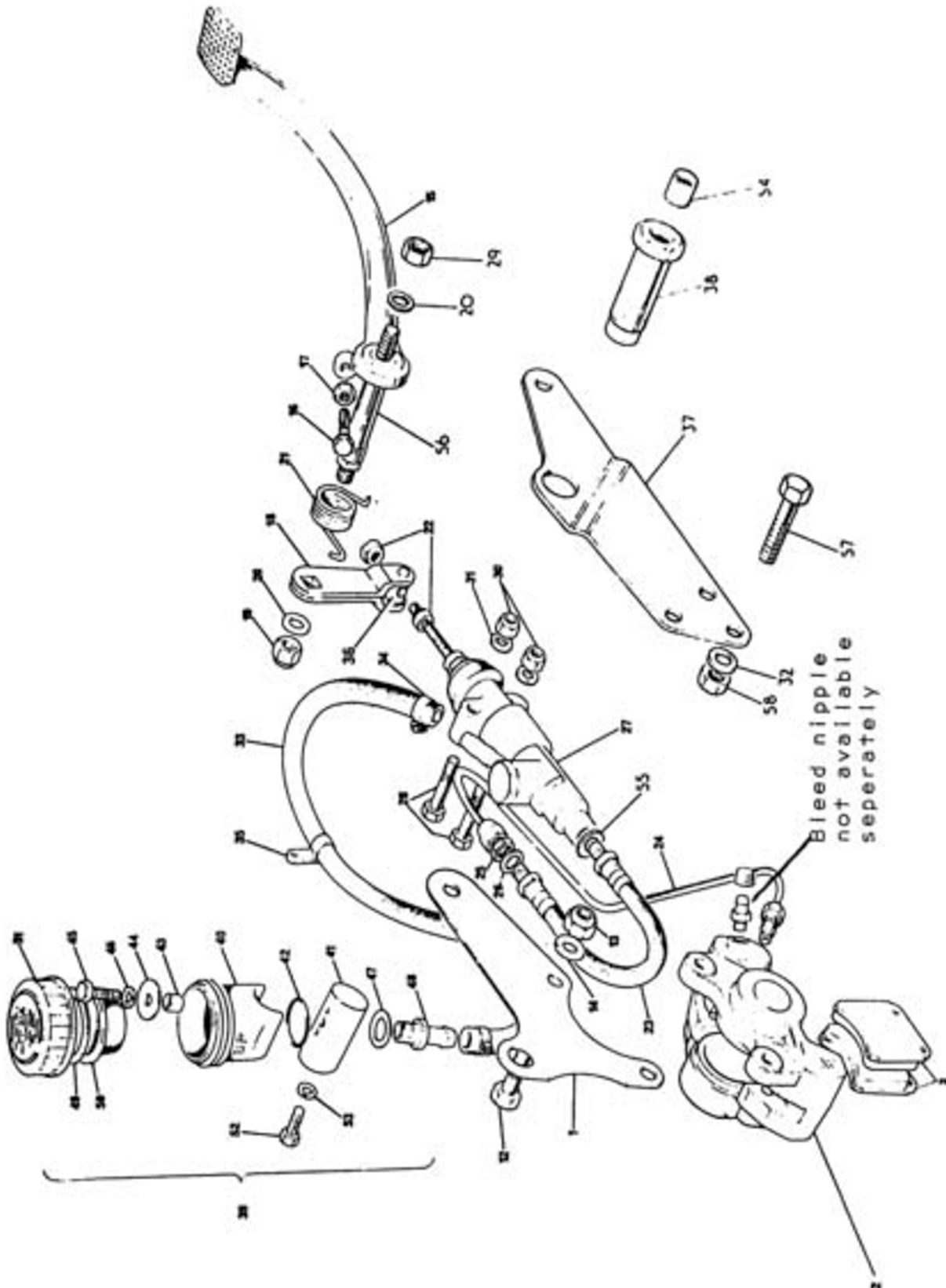


Fig. 25. REAR BRAKE

# REAR BRAKE (Continued)

Ref. No.	Part No.	Description	Quantity	Remarks
41	83-7056	Mounting, reservoir	1	
42	60-4374	'O' ring	1	
43	60-4398	Distance piece	1	
44	60-4399	Washer	1	
45	14-0102	Bolt, body to mounting	1	1/4"UNF x 5/8"UH
46	60-2427	Spring washer for bolt	1	
47	60-7016	Sealing washer	1	
48	83-7055	Outlet stub, feed hose	1	
49	60-4328	Washer, paper	1	
50	60-4366	Diaphragm	1	
51	60-4365	Filler cap	1	
52	14-0101	Bolt, mounting to coil tray	1	1/4"UNF x 5/8"UH
53	60-2427	Washer, for bolt	1	
54	83-7054	Pivot bolt bush	2	Ref. only
55	60-4182	Copper gasket	1	
56	83-7046	Spindle, rear brake pedal	1	
57	14-0114	Bolt, master cylinder/plate fixing rear	1	
58	14-1302	Nut for bolt	1	
	99-2768	Master cylinder repair kit	1	Not illus.
59	60-4266	Nipple cover	1	
60	99-7018	Rubber boot for master cylinder	1	
61	99-7019	Nut - rear master cylinder	1	Not illus.
62	99-7020	Seal - rear master cylinder	1	Not illus.
63	99-7021	Saddle - rear master cylinder	1	Not illus.

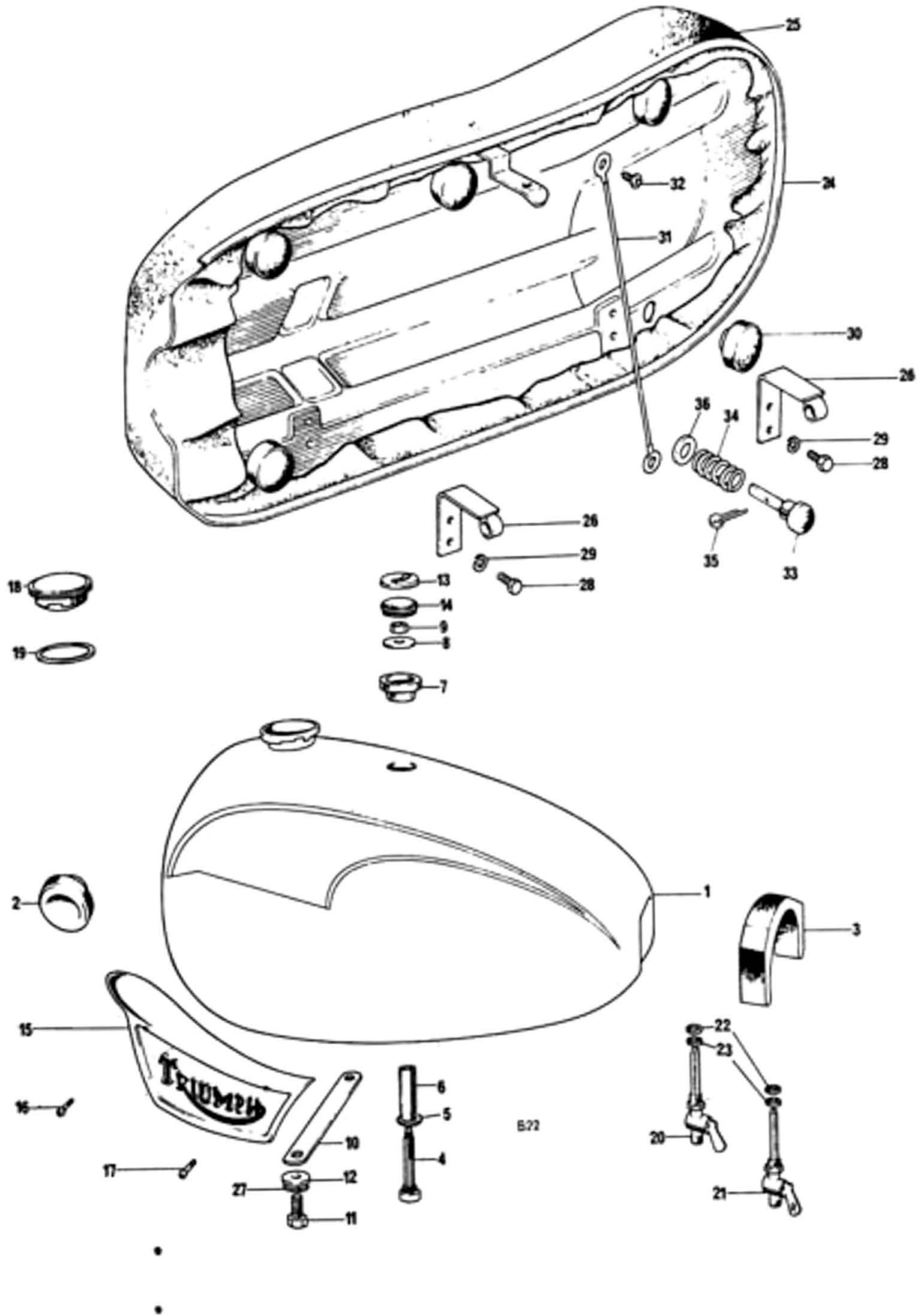


Fig. 25 GAS TANKS AND TWINSEAT

# GAS TANK AND TWIN SEAT

Ref. No.	Part No.	Description	Quantity	Remarks
1	83-7111	Gas tank (3.6 US galls.) Black & candy apple red	1	T140V
1	83-7112	Gas tank (3.6 US galls.) Astral blue & silver	1	T140V
1	83-7113	Gas tank (3.6 US galls.) Tawny brown & gold	1	T140V
1	83-7114	Gas tank (3.6 US galls.) Candy apple red & silver	1	TR7RV
1	83-7115	Gas tank (4.0 IMP galls.) Tawny brown & gold	1	T140V
1	83-7116	Gas tank (4.0 IMP galls.) Aquamarine & silver	1	T140V
1	83-7117	Gas tank (4.0 IMP galls.) Candy apple red & silver	1	TR7RV
1	83-7118	Gas tank (4.0 IMP galls.) Burnished gold & silver	1	TR7RV
2	83-4931	Steady rubber	2	
3	83-4932	Mounting rubber	2	
4	83-4930	Center fixing bolt	1	
5	60-2320	Washer	1	
6	82-9063	Distance tube	1	
7	83-4934	Mounting rubber	1	
8	83-3814	Washer	1	
9	14-0302	Nut	1	
10	83-4395	Tie strap	1	use with 3.6 gall tank
10	83-4118	Tie strap	1	use with 4.0 gall tank
11	14-0113	Bolt	2	
12	60-2321	Washer	2	
13	83-4776	Badge - tank grommet	1	
14	83-4763	Grommet	1	
15	82-9700	Tank badge - right	1	use with 3.6 gall tank
15	82-9701	Tank badge - left	1	use with 3.6 gall tank
15	60-2569	Tank badge	2	use with 4.0 gall tank
16	83-1339	Screw - front, tank badge	2	use with 3.6 gall tank
17	82-7888	Screw - rear, tank badge	2	use with 3.6 gall tank
16 & 17	21-2064	Screw - tank badge	4	use with 4.0 gall tank
18	83-3875	Filler cap	1	
19	82-4048	Joint washer	1	
20	60-4511	Gas tap - main	1	
21	60-4512	Gas tap - reserve	1	
22	70-7351	Tap seal	2	
23	83-0002	Washer	2	
24	83-7127	Twinseat assembly (Black)	1	use with 3.6 gall tank
24	83-7128	Twinseat assembly (Black)	1	use with 4.0 gall tank
24	83-7129	Twinseat assembly (Brown)	1	use with 3.6 gall tank
24	83-7130	Twinseat assembly (Brown)	1	use with 4.0 gall tank
25	83-7131	Cover twinseat (Black)	1	use with 3.6 gall tank
25	83-7132	Cover twinseat (Black)	1	use with 4.0 gall tank
25	83-7133	Cover twinseat (Brown)	1	use with 3.6 gall tank
25	83-7134	Cover twinseat (Brown)	1	use with 4.0 gall tank
26	83-4782	Hinge - front and rear	2	
27	60-2428	Spring washer	2	
28	14-0101	Bolt	4	Hinge attachment
29	60-2417	Washer	4	
30	82-9093	Rubber buffer	4	
31	60-2087	Check wire	1	



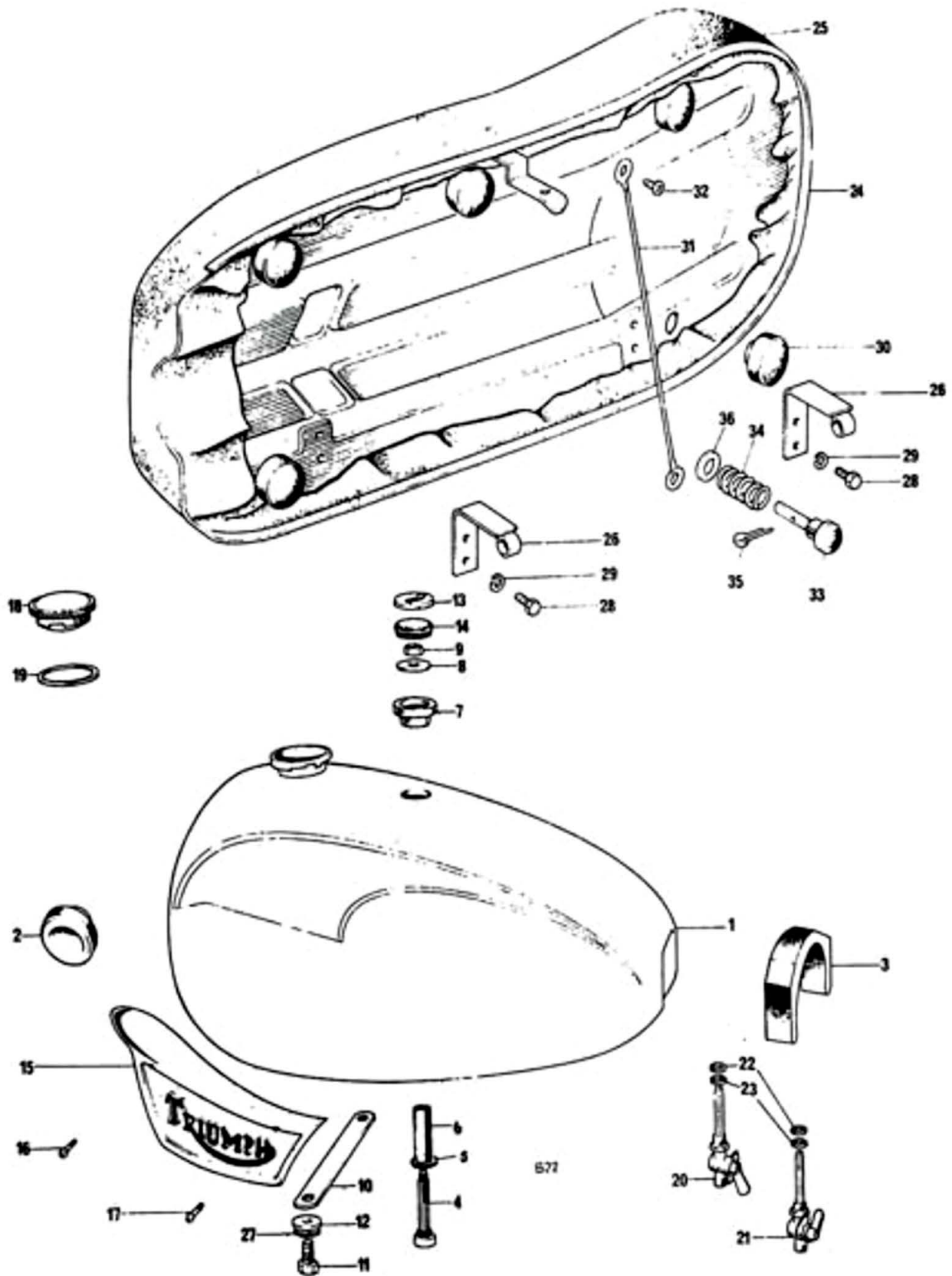


Fig. 25 GAS TANKS AND TWINSEAT

**GAS TANK AND TWINSEAT (Continued)**

Ref. No.	Part No.	Description	Quantity	Remarks
32	60-2381	Screw - self tapping	1	
33	82-7560	Seat plunger and knob	1	
34	82-4228	Spring	1	
35	60-2720	Split pin (3/32 in. x 1/2 in.)	1	
36	71-3749	Washer	1	
	83-4355	Knee grip - left (Not illus.)	1	use with 4.0 gall tank
	83-4356	Knee grip - right (Not illus.)	1	use with 4.0 gall tank
<b><u>1977 SILVER JUBILEE</u></b>				
1	83-7091	Gas Tank (3.6 US galls.)	1	
1	83-7092	Gas Tank (4.0 IMP galls.)	1	
13	83-7093	Badge - tank grommet	1	
15	83-7139	Tank badge - right	1	use with 3.6 gall tank
15	83-7138	Tank badge - left	1	use with 3.6 gall tank
24	83-7087	Twinseat assembly	1	use with 3.6 gall tank
24	83-7082	Twinseat assembly	1	use with 4.0 gall tank
25	83-7088	Cover twinseat	1	use with 3.6 gall tank
25	83-7086	Cover twinseat	1	use with 4.0 gall tank

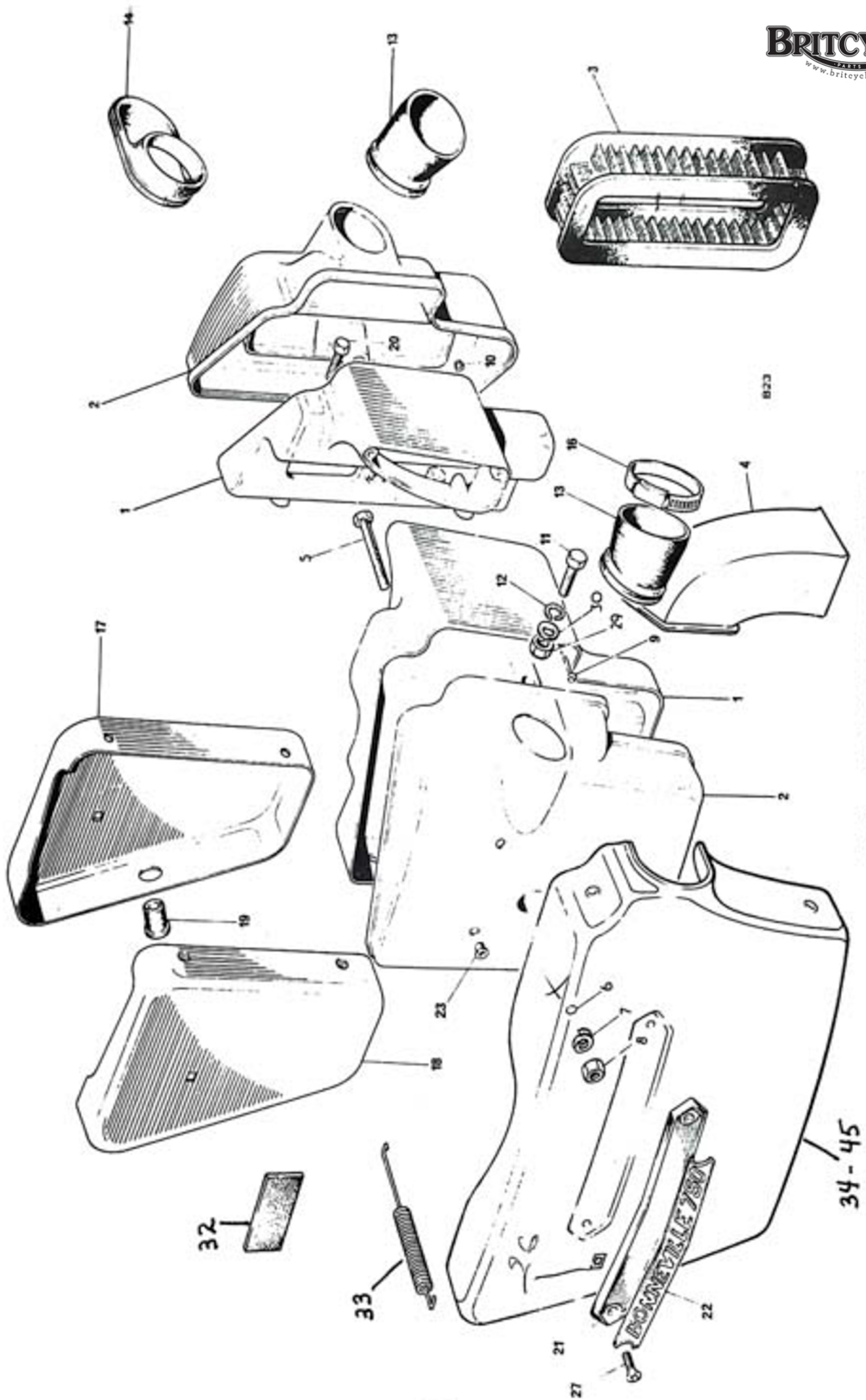


Fig. 26 AIR CLEANERS AND SIDE PANELS

**AIR CLEANERS AND SIDE PANELS**

Ref. No.	Part No.	Description	Quantity	Remarks
1	83-4606	Body - left	1	Twin carb TI40V
1	83-4607	Body - right	1	
2	83-7067	Cover - left	1	Single carb TR7RV
2	83-7068	Cover - right	1	
1	83-4845	Body - left	1	All models
1	83-4609	Body - right	1	
2	83-4807	Cover - left	1	All models
2	83-4808	Cover - right	1	
3	60-4265	Element	2	All models
4	83-5448	Air intake tube, left	1	
4	83-5449	Air intake tube, right	1	All models
5	14-0221	Bolt	2	
6	82-8245	Retainer	2	All models
7	60-2438	Washer	2	
8	14-0302	Nut	2	All models
9	60-3539	Screw	2	
10	21-0501	Nut	2	All models
11	14-0218	Bolt	2	
12	83-4299	Plain washer	4	All models
13	71-7019	Connector pipe	2	
14	83-5161	Connector pipe	1	All models
15	71-1860	Carburetor adaptor	1	
16	60-3975	Clip	1	All models
16	71-7018	Clip	2	
17	83-4854	Side panel - left	1	All models
18	83-4803	Side panel - right	1	
19	82-6673	Panel grommet	2	All models
20	14-0102	Bolt	4	
21	60-4150	Name plate	2	All models
22	60-7055	Motif "Tiger 750"	2	
22	60-7054	Motif "Bonneville 750"	2	All models
23	60-4153	Rubber bush	4	
26	21-7020	Spire SNP .0164	4	All models
27	82-4129	Screw	4	
29	14-1302	Nut	2	All models
30	60-2321	Plain washer	2	
32	82-7380	Rubber pad - under styling panel	2	All models
33	83-7070	Spring - styling panel fixing	2	
34	83-7097	Styling side panel L.H. Black	1	All models
35	83-7098	Styling side panel R.H. Black	1	
36	83-7099	Styling side panel L.H. Tawny brown	1	All models
37	83-7100	Styling side panel R.H. Tawny brown	1	
38	83-7101	Styling side panel L.H. Aquamarine	1	All models
39	83-7102	Styling side panel R.H. Aquamarine	1	
40	83-7103	Styling side panel L.H. Black	1	All models
41	83-7104	Styling side panel R.H. Black	1	
42	83-7105	Styling side panel L.H. Candy apple red & silver	1	All models
43	83-7106	Styling side panel R.H. Candy apple red & silver	1	
44	83-7107	Styling side panel L.H. Burnished gold & silver	1	All models



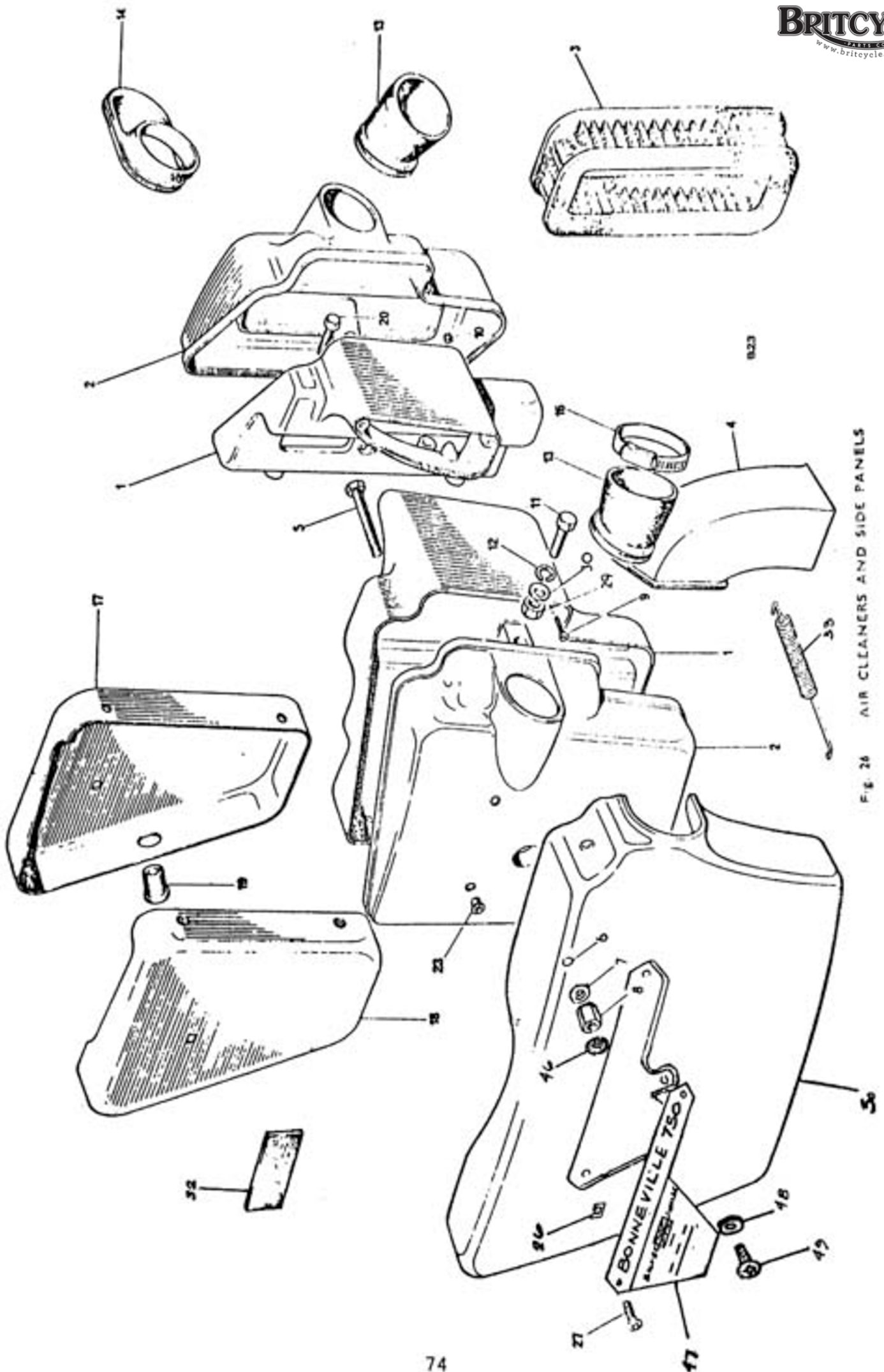


FIG. 26 AIR CLEANERS AND SIDE PANELS

## AIR CLEANER AND SIDE PANELS (Continued)

Ref. No.	Part No.	Description	Quantity	Remarks
45	83-7108	Styling side panel R.H. Burnished gold & silver	1	TR7RV
<u>1977 SILVER JUBILEE</u>				
5	21-7021	Bolt	2	
7	70-2287	Washer, serrated	2	
8	21-7022	Sleeve nut	2	
46	83-7071	Washer, rubber	2	
47	83-7079	Badge - right hand	1	
47	83-7078	Badge - left hand	1	
48	60-2330	Washer	2	
49	14-2219003	Screw	2	
50	83-7072	Styling side panel L.H.	1	
50	83-7075	Styling side panel R.H.	1	

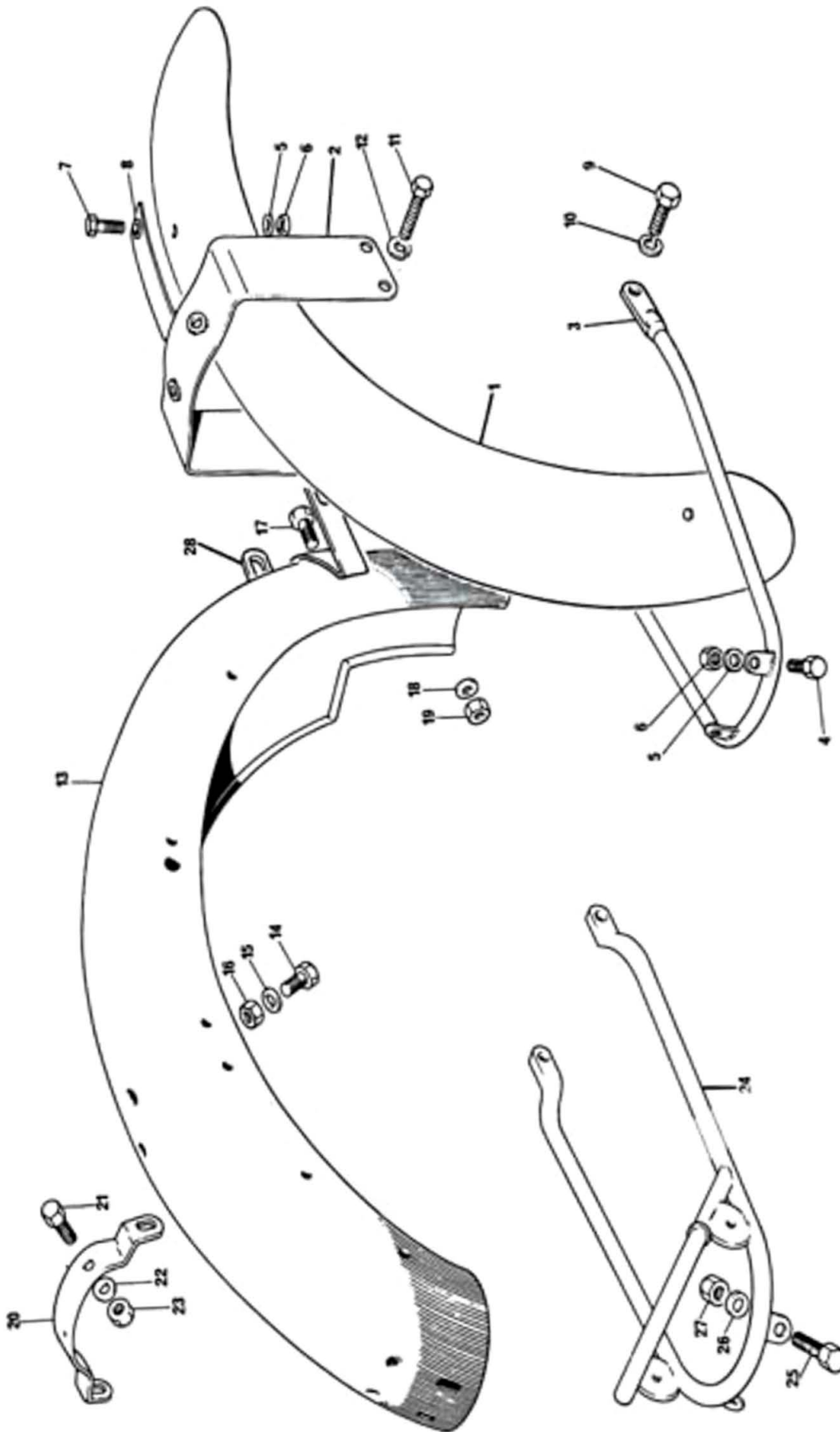


Fig. 27. FENDERS

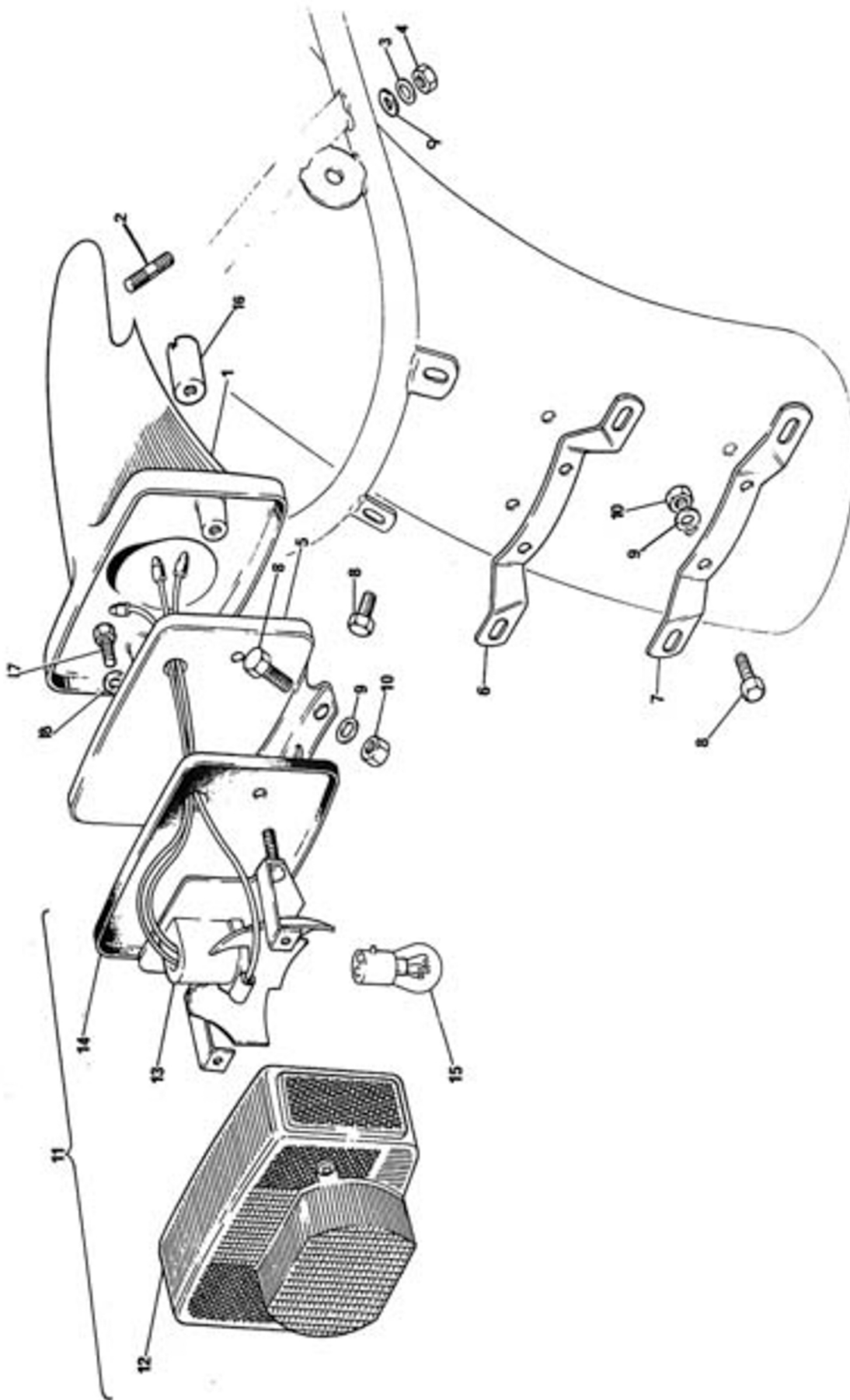
# FENDERS

Ref. No.	Part No.	Description	Quantity	Remarks
1	97-7003	Front fender chrome	1	
1	97-7012	Front fender Tawny brown & gold	1	
1	97-7013	Front fender Aquamarine & silver	1	
1	97-7014	Front fender Candy apple red&silver	1	Not USA
1	97-7015	Front fender Burnished gold&silver	1	
2	97-7004	Bridge piece assembly	1	
3	97-4552	Rear stay	1	
4	14-0101	Bolt, rear stay to blade	2	
5	60-4245	Washer	5	
6	14-1201	Nut	5	
7	14-2205	Screw, bridge piece to blade	3	
8	21-7025	Washer nylon	8	
9	14-6114	Bolt, stay to spindle cap	2	
10	60-2428	Washer	2	
11	14-0103	Bolt, bridge piece to fork leg	2	
12	60-2427	Washer	2	
13	83-7031	Rear fender chrome	1	
13	83-7123	Rear fender Tawny brown & gold	1	Not USA
13	83-7124	Rear fender Aquamarine & silver	1	
13	83-7125	Rear fender Candy apple red&silver	1	
13	83-7126	Rear fender Burnished gold&silver	1	
14	14-0101	Bolt	2	
15	60-2329	Washer	2	Fender top fixing
16	14-1301	Nut	2	
17	14-0114	Bolt	2	
18	60-2330	Washer	2	Fender front fixing
19	14-1302	Nut	2	
20	83-4600	Bridge - rear fender	1	
21	14-0102	Bolt	2	
22	60-2329	Washer	2	Bridge to fender
23	14-1301	Nut	2	
24	83-5145	Grab rail	1	
25	14-0102	Bolt	2	
26	60-2329	Washer	2	Grab rail to fender
27	14-1301	Nut	2	
28	83-2796	Lower front bracket	1	

## 1977 SILVER JUBILEE

1	97-7011	Front fender	1	
13	83-7089	Rear fender	1	





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Fig. 28. TAIL LAMP AND SUPPORT

# TAIL LAMP AND SUPPORT

Ref. No.	Part No.	Description	Quantity	Remarks
1	83-4774	Tail lamp carrier, Black	1	
1	83-7094	Tail lamp carrier, Chrome	1	
2	21-2225	Stud	1	Tail lamp support to fender
3	60-4250	Washer	1	
4	14-0301	Nut	1	
5	83-5001	Support plate	1	
6	83-4784	Rear No. plate bracket - top	1	
7	82-6850	Rear No. plate bracket-bottom	1	
8	14-0102	Bolt	4	No. plate brackets and support plate to fender
9	60-2329	Washer	5	
10	14-1301	Nut	4	
11	56513	STOP TAIL LAMP	1	
12	54584930	Lens	1	
13	54584931	Base assembly	1	
14	54583924	Gasket	1	
15	380	Bulb	1	
16	83-4800	Sleeve nut, lamp to back plate	2	
17	14-7804	Screw support plate to carrier	1	
18	70-1612	Serrated washer	1	
	83-4806	Wiring protector	1	Not illus.
	60-4103	Grommet, flasher wire	1	
	60-3748	Decal "5speed"	1	
	83-5105	'U' grommet, lamp carrier	2	
	97-0961	Grommet, mudguard for wiring	2	
	60-4440	Grommet, flasher wires	2	
19	14-0101	Bolt-number plate attachment	4	
20	14-1301	Nut	4	
21	60-2329	Washer	4	

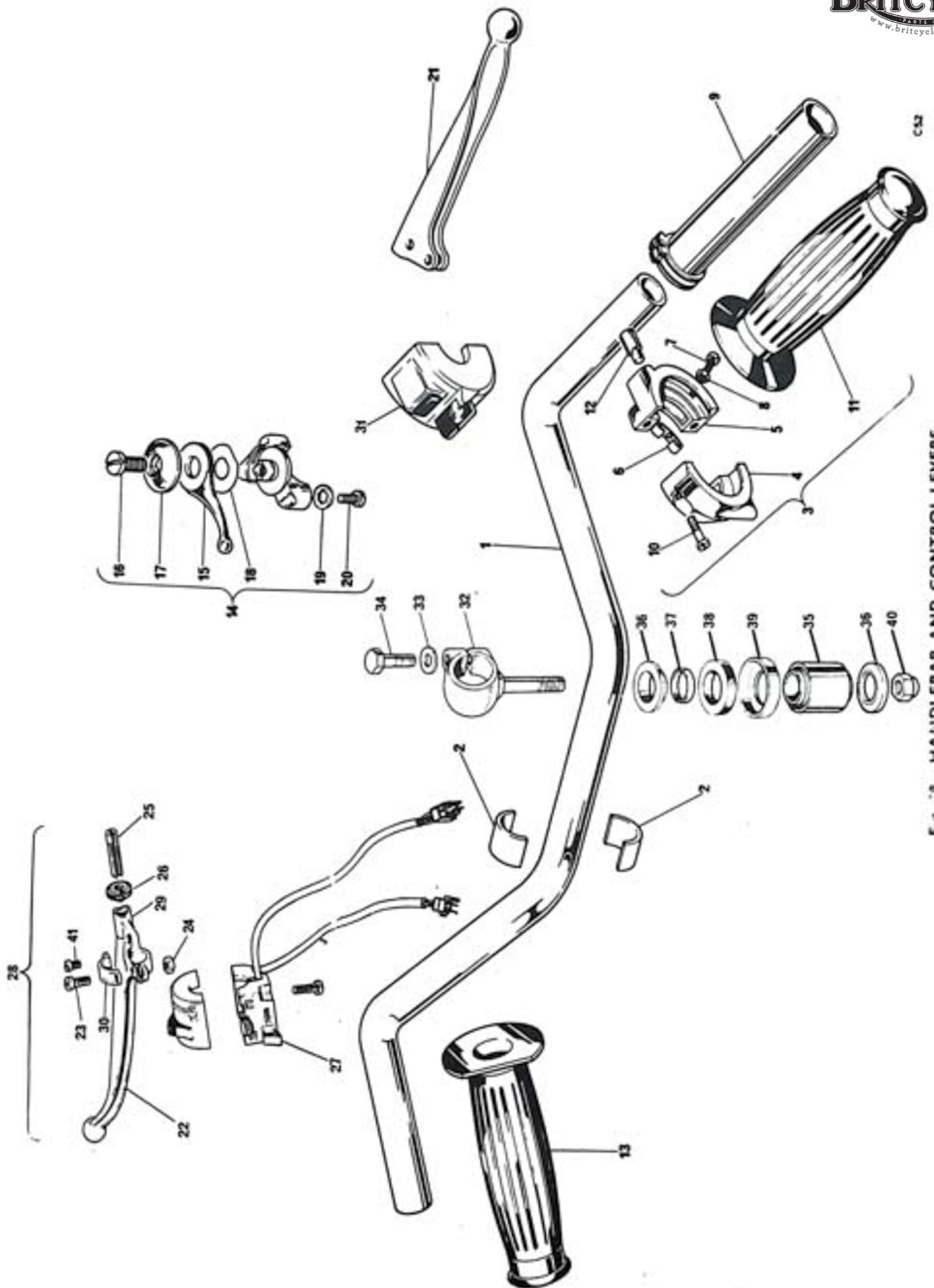


Fig. 29. HANDLEBAR AND CONTROL LEVERS

# HANDLEBARS AND CONTROL LEVERS

Ref. No.	Part No.	Description	Quantity	Remarks
1	97-7001	Handlebar	1	USA Specification
1	97-7002	Handlebar	1	UK & General
2	97-1425	Sleeve, handlebar mounting	4	
3	364/18	TWIST GRIP	1	
4	16/328	Body, top half	1	
5	16/329	Body, bottom half	1	
9		Rotor	1	
10	11/013	Screw	2	
11	97-2125	Grip, right hand	1	
13	97-2142	Grip, left hand	1	
14	60-3567	AIR CONTROL LEVER	1	
15	12/556	Lever	1	
16	12/607	Bolt	1	
17	12/606	Cap	1	
18	12/033	Spring washer	1	
19	70-1612	Shakeproof washer	2	
20	60-3896	Screw	2	
21	60-4206	Front brake lever assembly	1	
22	60-7023	Clutch lever blade	1	
23	60-7026	Pivot pin	1	
24	14-1901	Nut, pivot pin	1	
25	60-3585	Adjuster	1	
26	60-3586	Lock ring	1	
27	30707	HANDLEBAR SWITCH, LEFT HAND	1	
28	60-7021	CLUTCH LEVER ASSY COMPLETE	1	
29	60-7022	Handlebar bracket, clutch lever	1	
30	60-7024	Handlebar clamp for bracket	1	
31	30781	Handlebar switch, right hand	1	
32	97-2291	Handlebar eyebolt	2	
33	82-1335	Washer	2	
34	21-0589	Bolt	2	
35	97-1527	Metastik bush	2	
36	97-1529	Hemispherical washer	4	
37	97-1581	Distance piece	2	
38	97-1580	Rubber washer	2	
39	97-2221	Cup	2	
40	14-1303	Nut	2	
41	60-7025	Screw, handlebar clamp 5/8" x 1BA	2	



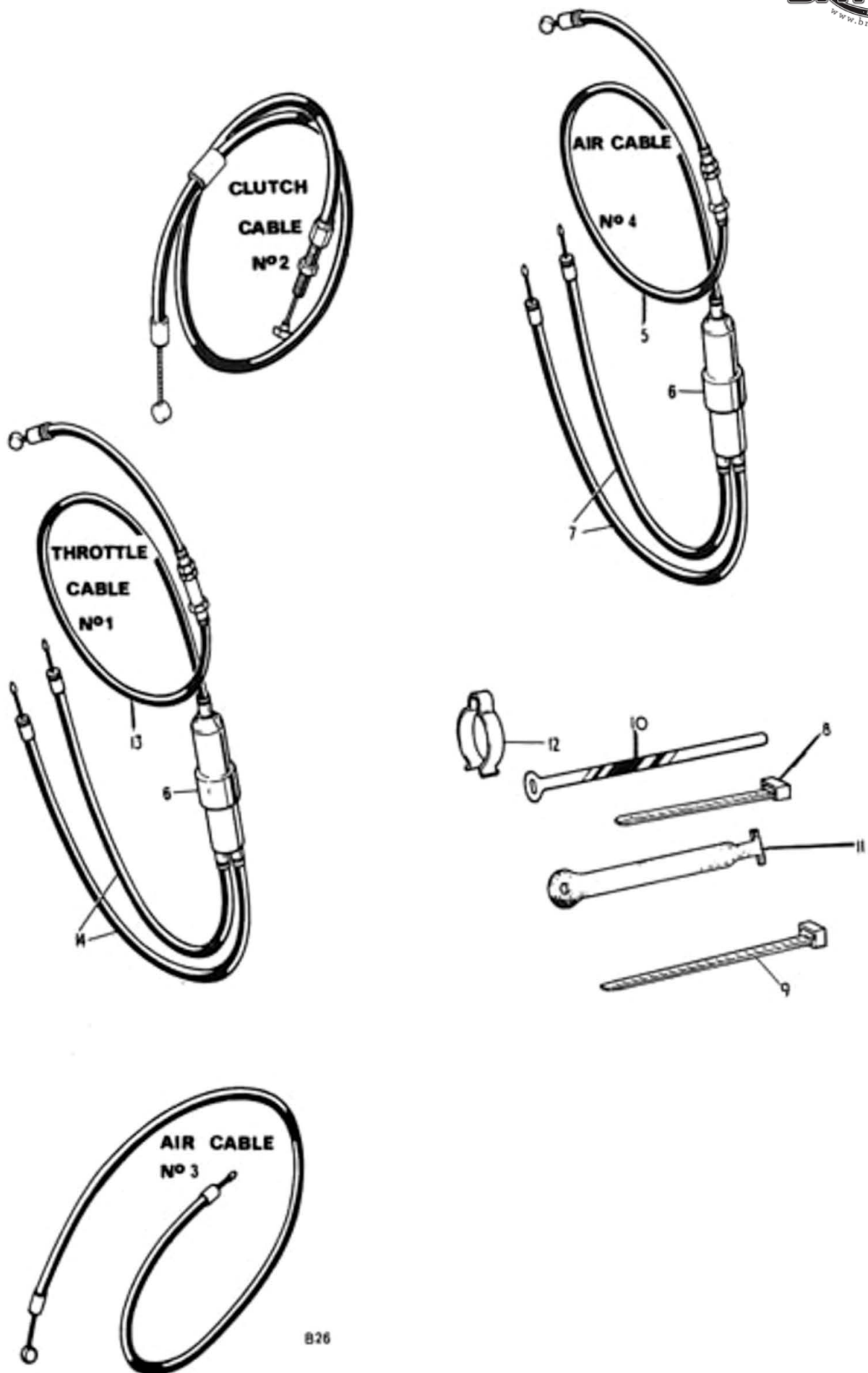


Fig. 30. CONTROL CABLES

## CONTROL CABLES

Ref. No.	Part No.	Description	Quantity	Remarks
1	60-7002	Throttle cable COMPLETE	1 T140V	HIGH BAR
1	60-7061	Throttle cable COMPLETE	1 TR7RV	HIGH BAR
2	60-3925	Clutch cable COMPLETE	1	HIGH BAR ✓
3	60-4194	Air control cable COMPLETE	1 TR7RV	UNIVERSAL
4	60-4126	AIR CONTROL CABLE COMPLETE	1 T140V	UNIVERSAL
5	60-4127	Air cable, lever to junction box	1 T140V	UNIVERSAL
6	244/104	Junction box throttle and air control	2 T140V	UNIVERSAL
7	60-4128	Air cable, junction box to carburetor	1 T140V	UNIVERSAL
8	60-0978	Cable clip	1	
9	60-4254	Cable clip	13	
10	60-0777	Cable clip	1	
11	60-4258	Cable clip	2	
12	97-4112	Handlebar clip	As required	
13	60-7001	Throttle cable (twist grip to junction block)	1 T140V	HIGH BAR
14	60-0733	Throttle cable (junction block to carburetor)	2 T140V	HIGH BAR

## ALTERNATIVE FITMENTS

1	60-7058	Throttle cable COMPLETE	1 T140V	LOW BAR
1	60-7060	Throttle cable COMPLETE	1 TR7RV	LOW BAR
2	60-4168	Clutch cable COMPLETE	1	LOW BAR
13	60-7059	Throttle cable (twist grip to junction block)	1 T140V	LOW BAR
14	60-0733	Throttle cable (junction block to carburetor)	2 T140V	LOW BAR

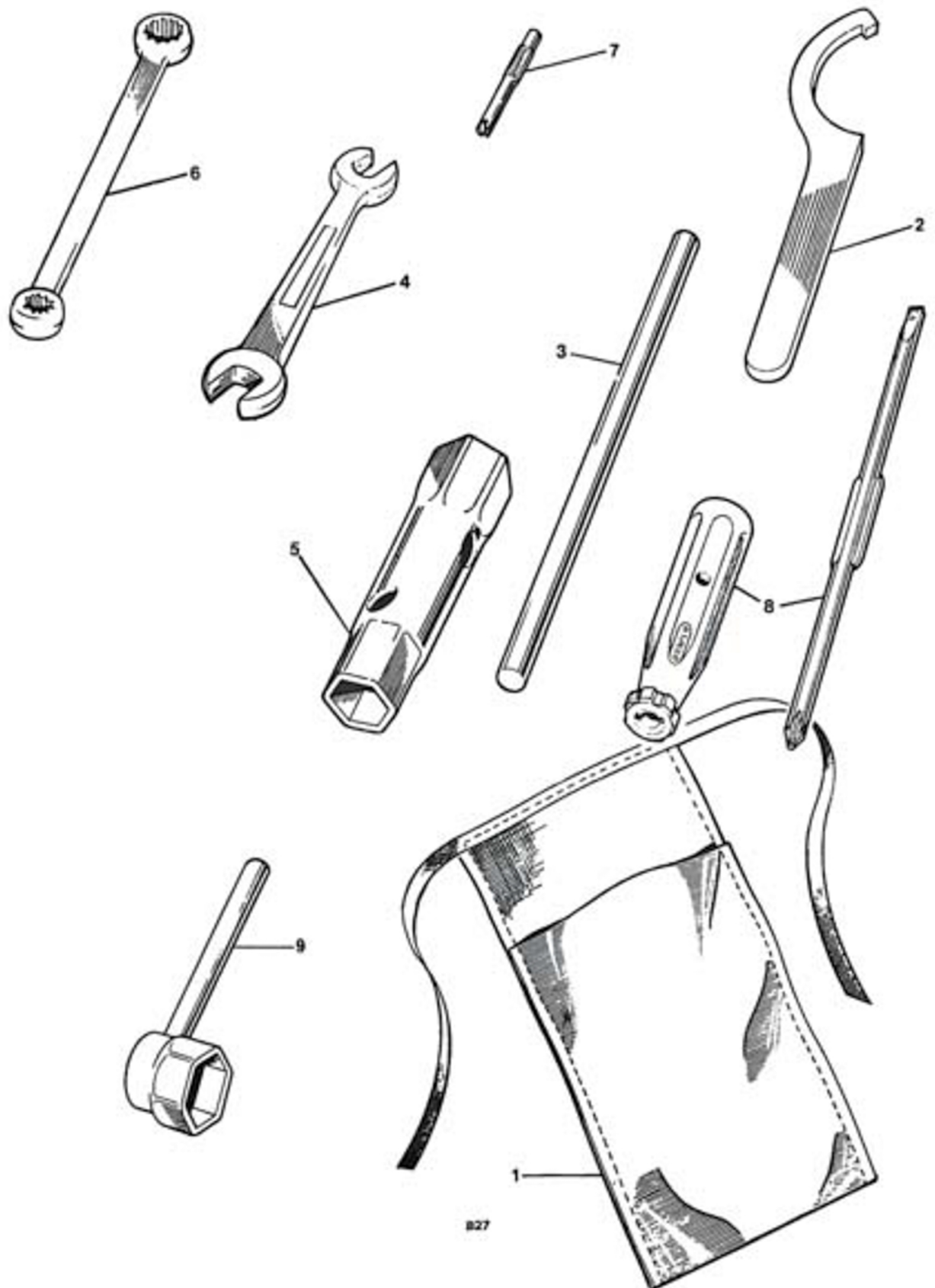
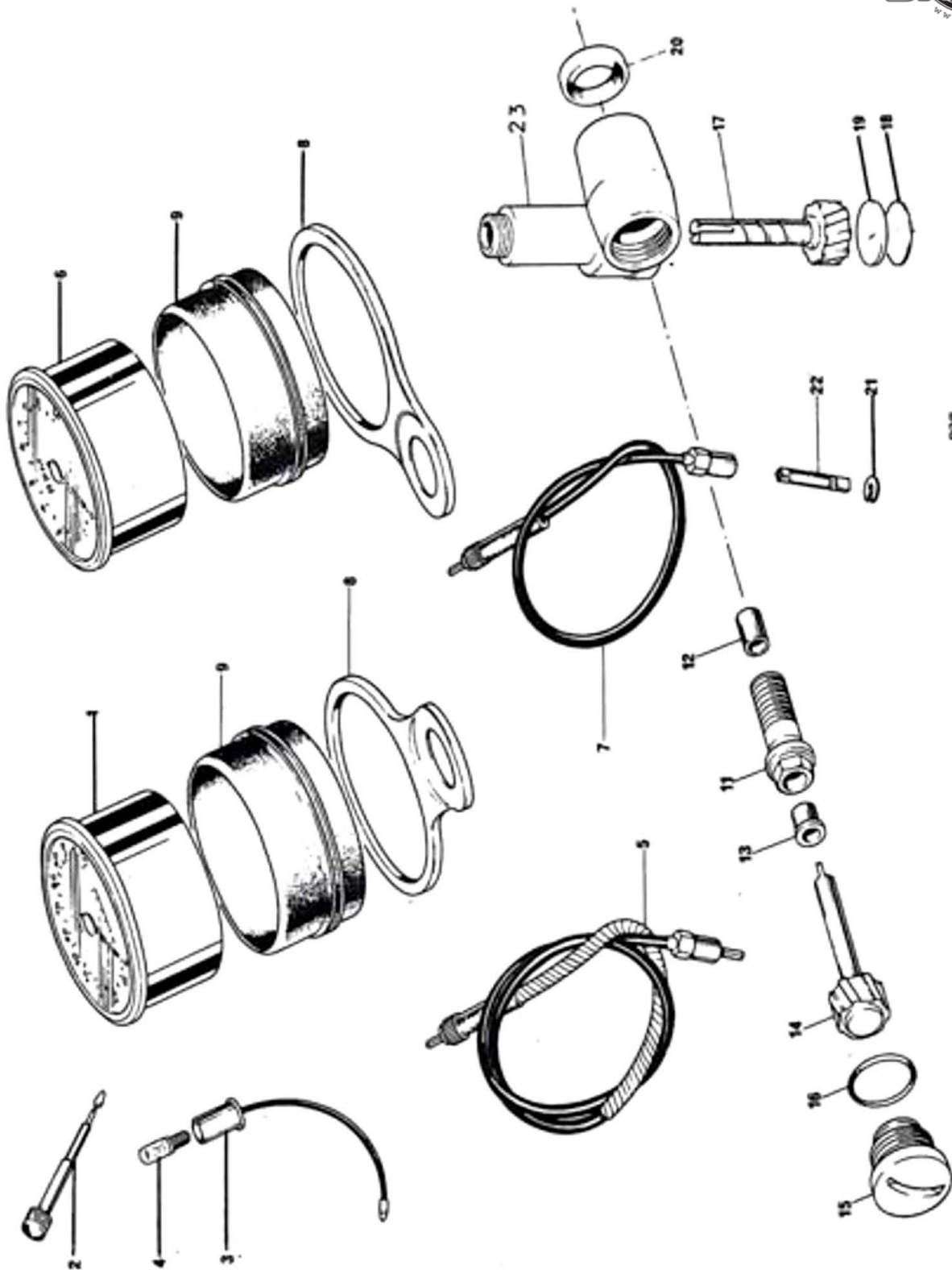


Fig. 31. TOOLKIT

# TOOLKIT

Ref. No.	Part No.	Description	Quantity	Remarks
	60-7019	TOOLKIT COMPLETE	1	
1	60-0291	Tool roll	1	
2	60-2184	Damper unit spanner	1	
3	60-7041	Tommy bar, for rear wheel	1	
4	60-2084	Spanner - open ended	1	
6	60-1907	Ring spanner	1	
7	60-0974	Tire valve key	1	
8	60-0767	Screw driver	1	
9	60-1050	Plug spanner	1	
A	60-7068	Rear wheel spanner	1	
B	60-7069	Lever for spanner	1	





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Fig. 32. SPEEDOMETER AND TACHOMETER

10 TACHOMETER GEARBOX COMPLETE

**SPEEDOMETER AND TACHOMETER**

Ref. No.	Part No.	Description	Quantity	Remarks
1	SSM4003/00	Speedometer head - MPH	1	
2	60-7011	Trip control	1	
3	51271406	Bulb holder	1	
4	643	Bulb	1	
5	DF9110/00F	Speedometer cable	1	
6	RSM3006/00	Tachometer head	1	
7	DF9111/00G	Tachometer cable	1	
8	97-4026	Mounting bracket	2	
9	60-2600	Rubber cup	2	
10	71-7011	TACHOMETER GEARBOX	1	
11	70-9332	Securing screw Assembly	1	
12	70-5156	Bush	1	} Ref. only, not supplied separately. Part of 70-9332
13	70-5155	Flanged bush	1	
14	70-5157	Driving gear	1	
15	71-2480	End cup	1	
16	60-3355	'O' ring	1	
17	71-2653	Driven gear	1	
18	71-2481	Welch washer	1	
19	71-7012	Thrust cap	1	
20	70-7351	Sealing washer	1	
21	60-0494	Circlip	1	
22	31-371-398	Spade	1	
	60-2391	Washer	4	} For speedo and Tachometer. 4} Mounting not illus.
	21-0778	Nut	4	

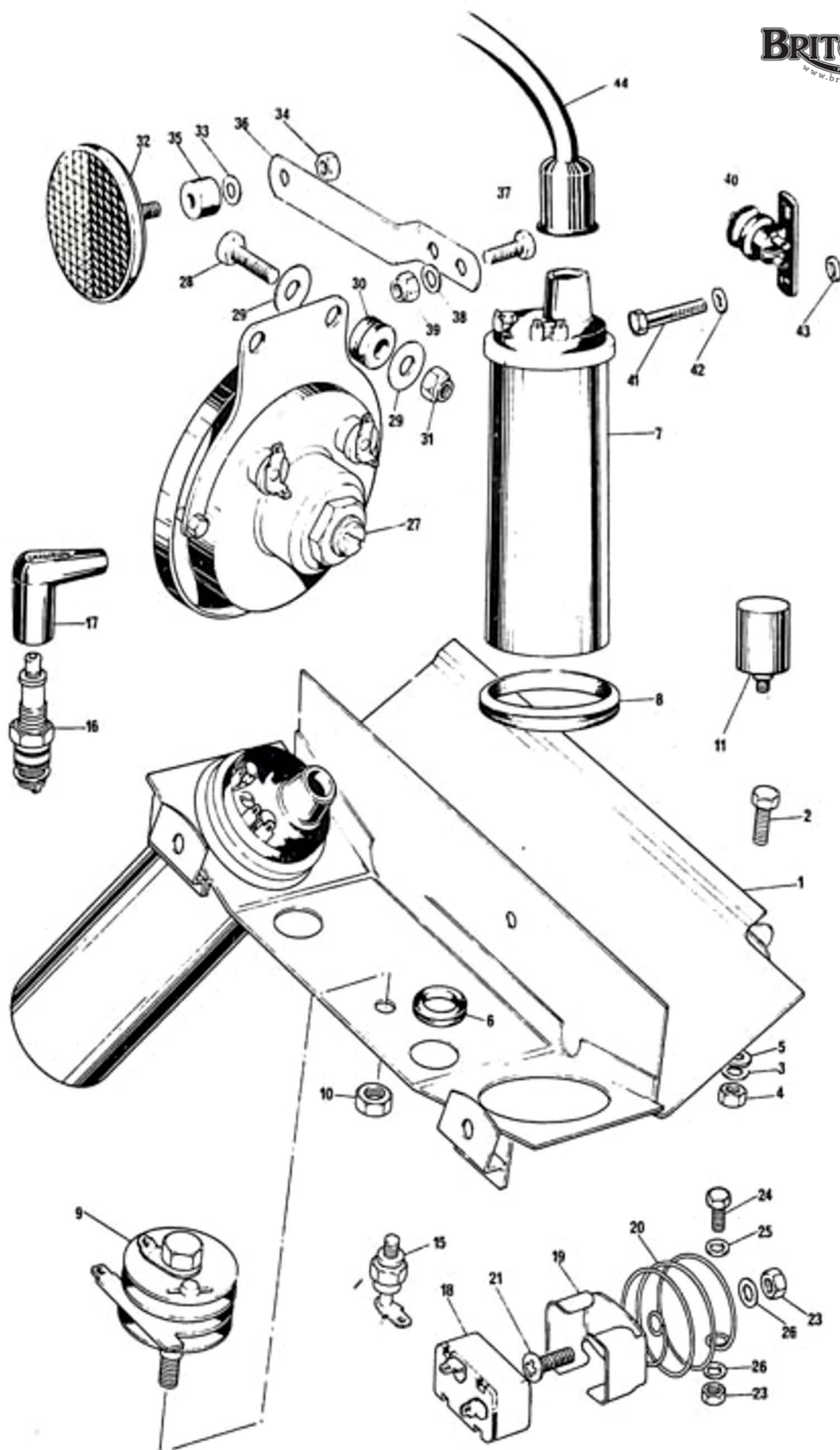


Fig. 33. COIL, CAPACITOR PACK, FLASHER UNIT, ZENER DIODE AND HORN

# ELECTRICAL COMPONENTS

Ref. No.	Part No.	Description	Quantity	Remarks
1	83-7041	Coil and tool tray assembly	1	
2	14-0102	Bolt	1	Coil & tool tray attachment, rear.
3	60-2329	Washer	2	
4	14-1301	Nut	1	
5	70-7554	Rubber washer	1	
6	82-6784	Grommet, wiring harness	2	
7	45223	Ignition coil (17-M-12)	2	
8	82-9561	Coil grommet	2	
9	49072	Rectifier	1	
10	82-5338	Nut	1	
11	54420128	Condenser c/w nut & insulating washer	2	
15	49345	Zener diode	1	
16	N3	Spark plug	2	Ref. only
17	60-0262	Plug cover	2	CHAMPION
18	35048	Flasher unit	1	
19	54385091	Clip, flasher unit	1	
20	54386637	Spring	1	Flasher unit attachment
21	21-2079	Screw	1	
22	60-2391	Washer	1	
23	21-7009	Nut	2	
24	21-2120	Bolt, spring to battery carrier	1	
25	97-1388	Plain washer	1	
26	60-2416	Washer	2	
27	70228	Horn	1	
28	14-0103	Bolt	2	Horn attachment
29	60-2347	Washer	4	
30	60-3161	Grommet	2	
31	14-1301	Nut	2	
32	57183	Reflector - amber	2	
33	60-2416	Washer	2	Reflector mounting
34	82-3799	Nut	2	
35	83-3522	Mounting rubber	2	
36	83-3764	Reflector bracket	2	
37	21-2120	Bolt	2	Bracket to frame
38	60-2391	Washer	2	
39	21-0778	Nut	2	
40	34815	Rear stop light switch 118SA	1	
41	21-7010	Screw, rear stop switch	2	
42	97-1388	Plain washer	2	
43	83-7060	Rubber washer	2	
	70-4144	Grommet (for spark plug cover)	2	Not illus.
44	60-3923	H.T. cable	2	



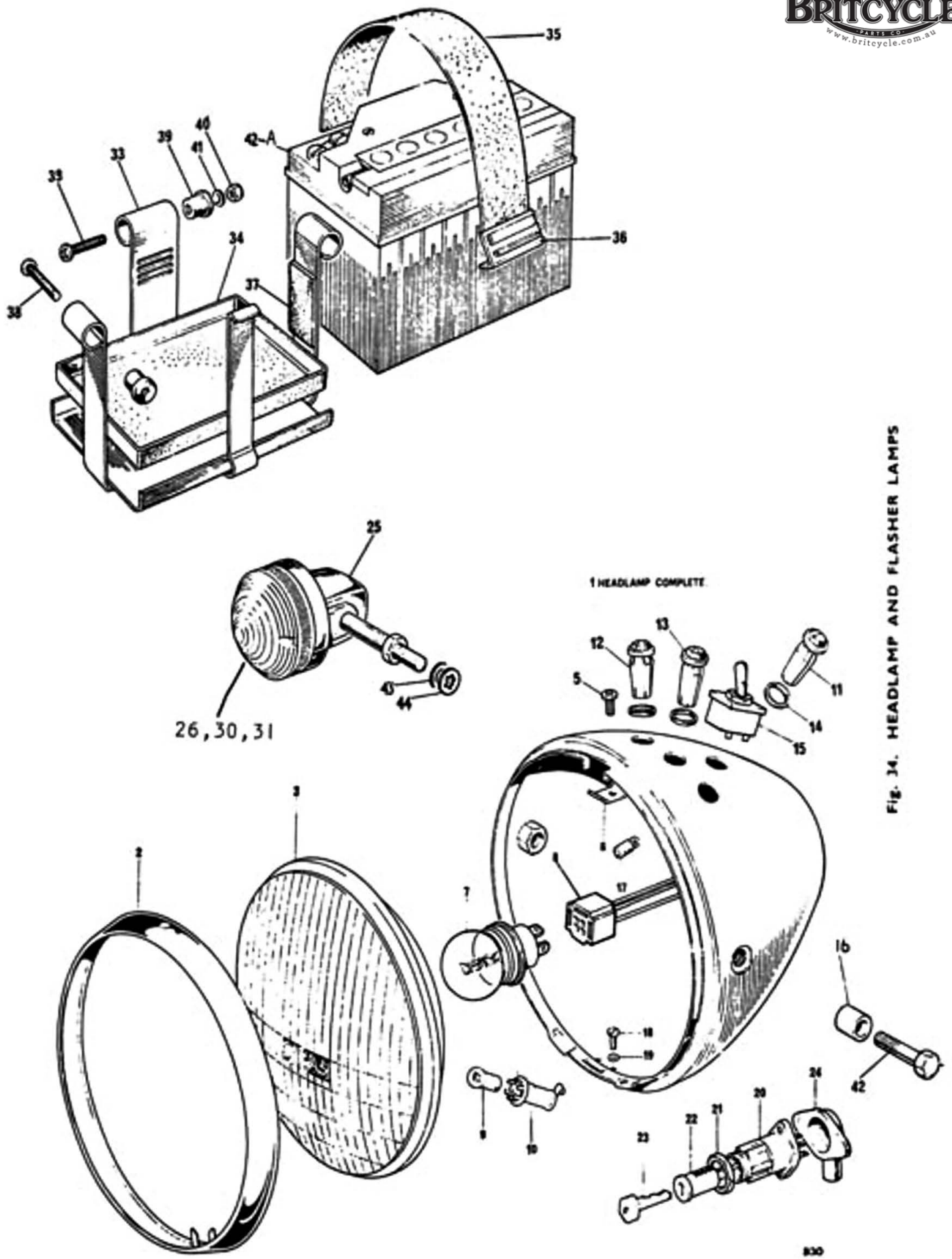


Fig. 34. HEADLAMP AND FLASHER LAMPS

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# HEADLAMP AND FLASHER LAMPS

Ref. No.	Part No.	Description	Quantity	Remarks
1	60513	Headlamp complete	1	rt. hand dip USA
2	553248	Headlamp rim	1	
3	54522680	Light unit	1	rt. hand dip USA
4	504665	Fixing wire	6	
5	144921	Screw	1	
6	534296	Plate	1	
7	410	Main bulb 45/40w	1	
8	54950493	Bulbholder	1	
9	989	Pilot bulb	1	
10	54573590	Pilot bulbholder	1	
11	54363454	Warning light, red	1	
12	54363455	Warning light, green	1	
13	54363453	Warning light, amber	1	
14	54140331	Sealing washer	3	
15	34419	Light switch	1	
16	97-4125	Distance piece, headlamp bolt	2	
17	281	Bulb, warning light	3	
18	54115106	Screw, headlamp fixing	2	
19	143086	Washer, headlamp fixing	2	
20	30608	IGNITION SWITCH	1	
21	54130041	Nut	1	
22	54335169	IGNITION LOCK WITH KEY	1	
23	19-5614 & on	Ignition key (state serial no.)	1	See page 8 for
24	97-2262	Cover, ignition switch	1	key serials.
25	60-4104	FLASHER LAMP FRONT	2	
25	60-4105	FLASHER LAMP REAR	-	
26	54581638	Lens	1	
30	502	bulb	1	
31	54123401	Screw	2	
33	83-4610	Battery carrier assembly	1	
34	82-8091	Battery tray moulding	1	
35	82-9353	Retaining strap	1	
36	82-9355	Buckle	1	
37	82-7380	Protective strip	4	
38	83-2508	Shoulder screw	3	
39	82-6039	Rubber bush	3	} battery carrier mounting
40	14-1301	Nut	1	
41	60-2329	Plain washer	1	
42	54115106	Bolt - headlamp mounting	2	
42A	YBI 2N9-4B	Battery	1	
43	60-2332	Plain washer	6	
44	37-2331	Serrated washer	6	flasher lamp
45	14-0404	Nut	6	stanchion
	54962258	Main wiring harness	1	not illus.
	60-7004	Decal, warning lights	1	not illus.
	60-7005	Decal, light switch	1	not illus.
	60-7003	Decal, ignition switch	1	not illus.
	60-7079	Diode & lead assembly	1	engine start/ lights on

# STANDARD HARDWARE SPECIFICATION BOLTS

Part No.	Material Steel	Thd. dia.	Length under head	Min. length of thread	Hexagon A.F.
21-1822	"	5/16" UNF	1/2"	27/64"	0.500"
21-1910	"	3/8" UNF	13/16"	13/16"	0.565"
21-1919	"	5/16" UNC	1 5/8"	7/8"	0.500"
21-2010	"	1/4" UNF	13/16"	3/8"	0.375"
14-0101	"	1/4" UNF	1/2"		0.438"
14-0102	"	1/4" UNF	5/8"		0.438"
14-0103	"	1/4" UNF	3/4"		0.438"
14-0113	"	5/16" UNF	5/8"		0.500"
14-0114	"	5/16" UNF	3/4"		0.500"
14-0115	"	5/16" UNF	7/8"		0.500"
14-0128	"	3/8" UNF	1"		0.563"
14-0208	"	1/4" UNF	2 1/4"	3/4"	0.438"
14-0216	"	5/16" UNF	1 1/8"	7/8"	0.500"
14-0217	"	5/16" UNF	1 1/4"	7/8"	0.500"
14-0219	"	5/16" UNF	1 1/2"	7/8"	0.500"
14-0220	"	5/16" UNF	1 3/4"	7/8"	0.500"
14-0225	"	6/16" UNF	3"	7/8"	0.500"
14-0228	"	5/16" UNF	4"	7/8"	0.500"
14-0234	"	3/8" UNF	1 3/4"	1"	0.563"
14-0236	"	3/8" UNF	2 1/4"	1"	0.563"
14-0239	"	3/8" UNF	3"	1"	0.563"
14-0240	"	3/8" UNF	3 1/4"	1"	0.563"
14-0242	"	3/8" UNF	4"	1"	0.563"
14-0251	"	7/16" UNF	2 3/4"	1 1/4"	0.625"
14-6102	"	1/4" UNC	5/8"		0.438"
14-6115	"	5/16" UNC	7/8"		0.500"

## SCREWS

Part No.	Type of head	Material	Thd. Dia.	Length under head	Type of drive
21-1916	Cheese head	Steel	1/4" UNC	1 1/8"	Cross recess
21-1917	Cheese head	"	1/4" UNC	2 5/8"	Cross recess
21-1918	Cheese head	"	1/4" UNC	2 3/8"	Cross recess
21-1920	Hex. head	"	1/4" UNC	21/64"	
21-1929	Countersunk (82°)	"	1/4" UNC	17/32"	Slot
21-2079	Cheese head	"	No. 10 UNF	1/2"	Pozidrive
14-0604	Cheese head	"	1/4" UNF	1/2"	Cross recess
14-6505	Countersunk (82°)	"	1/4" UNC	7/8"	Cross recess
14-6607	Cheese head	"	1/4" UNC	7/8"	Cross recess
14-6608	Cheese head	"	1/4" UNC	1"	Cross recess
14-6609	Cheese head	"	1/4" UNC	1 1/4"	Cross recess
14-7019	Socket head	"	5/16" UNC	7/8"	Hex. socket
14-7024	Socket head	"	5/16" UNC	2"	Hex. socket



### NUTS

Part No.	Material Steel	Thd. dia.	Hexagon A.F.	Thickness	Remarks
21-0778	"	No.10 UNF	0.375"	0.225"	Cleavelock
21-1852	"	5/16" UNF	0.437"	0.330"	Philidas
21-1906	"	1/4" UNF	0.438"	0.188"	Plain
21-1908	"	5/16" UNF	0.438"	0.313"	Plain
21-1914	"	3/4" UNEF	1.125"	0.250"	Plain
21-2012	"	7/8" UNEF	1.313"	0.438"	Plain
21-2013	"	3/4" UNEF	1.313"	0.313"	Plain
21-2014	"	3/4" UNEF	1.313"	0.438"	Plain
14-0301	"	1/2" UNF	0.438"	0.224"	Plain
14-0302	"	5/16" UNF	0.500"	0.271"	Plain
14-0401	"	1/4" UNF	0.438"	0.161"	Lock
14-0402	"	5/16" UNF	0.500"	0.192"	Lock
14-0403	"	3/8" UNF	0.563"	0.224"	Lock
14-0701	"	1/4" UNF	0.438"	0.203"	Philidas
14-0702	"	5/16" UNF	0.500"	0.246"	Philidas
14-0703	"	3/8" UNF	0.563"	0.296"	Philidas
14-1201	"	1/4" UNF	0.438"	0.285"	Stiffnut
14-1202	"	5/16" UNF	0.500"	0.335"	Stiffnut
14-1301	"	1/4" UNF	0.438"	0.245"	Stiffnut
14-1302	"	5/16" UNF	0.500"	0.290"	Stiffnut
14-1303	"	3/8" UNF	0.563"	0.320"	Stiffnut
14-1304	"	7/16" UNF	0.688"	0.275"	Stiffnut
14-1305	"	1/2" UNF	0.750"	0.435"	Stiffnut
14-1902	"	5/16" UNF	0.500"	0.361"	Nyloc
14-1903	"	3/8" UNF	0.563"	0.375"	Nyloc

### WASHERS—PLAIN

Part No.	Material	i/dia.	o/dia.	Thickness
60-4245	Steel	0.273"	0.563"	0.048"
60-4246	Steel	0.398"	0.750"	0.063"
60-4247	Steel	0.336"	0.625"	0.063"
37-2027	Steel	0.531"	1.031"	0.092"
60-4248	Steel	0.266"	0.469"	0.064"

### WASHERS—SPRING

Part No.	Material	i/dia.	o/dia.	o/o height	Thickness
60-4259	Spring steel	3/8" clearance	19/32"	7/32"	0.104"
60-4250	"	1/4" clearance	13/32"	3/16"	0.064"
60-3541	"	17/32"	7/8"	7/32"	0.040"
21-0648	"	5/16" clearance	1/2"	5/32"	0.080"

\*\*Double coil



**ESSENTIAL SERVICE TOOLS**

<b>Part No.</b>	<b>Description</b>
60-1810	Camshaft oil seal protector
61-6019	Crankshaft pinion extractor
61-3808	Universal extractor set
61-6113	Front fork assembly tool
60-4614	5 speed gearbox assembly tool
61-6125	Gearbox sprocket spanner
61-6008	Tappet guide block punch
61-3766	Clutch extractor
61-3768	Clutch locking tool
61-6112	Piston ring clamp
60-3677	Crankshaft bearing (inner race) extractor