TRIUMPH

REPLACEMENT PARTS CATALOGUE

1978

BONNEVILLE 750 T140V
TIGER 750 TR7RV

See Bookmarks

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INTRODUCTION

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.

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HOW TO USE THIS PARTS CATALOGUE

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.

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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	99-7001
Overhaul	99-7002

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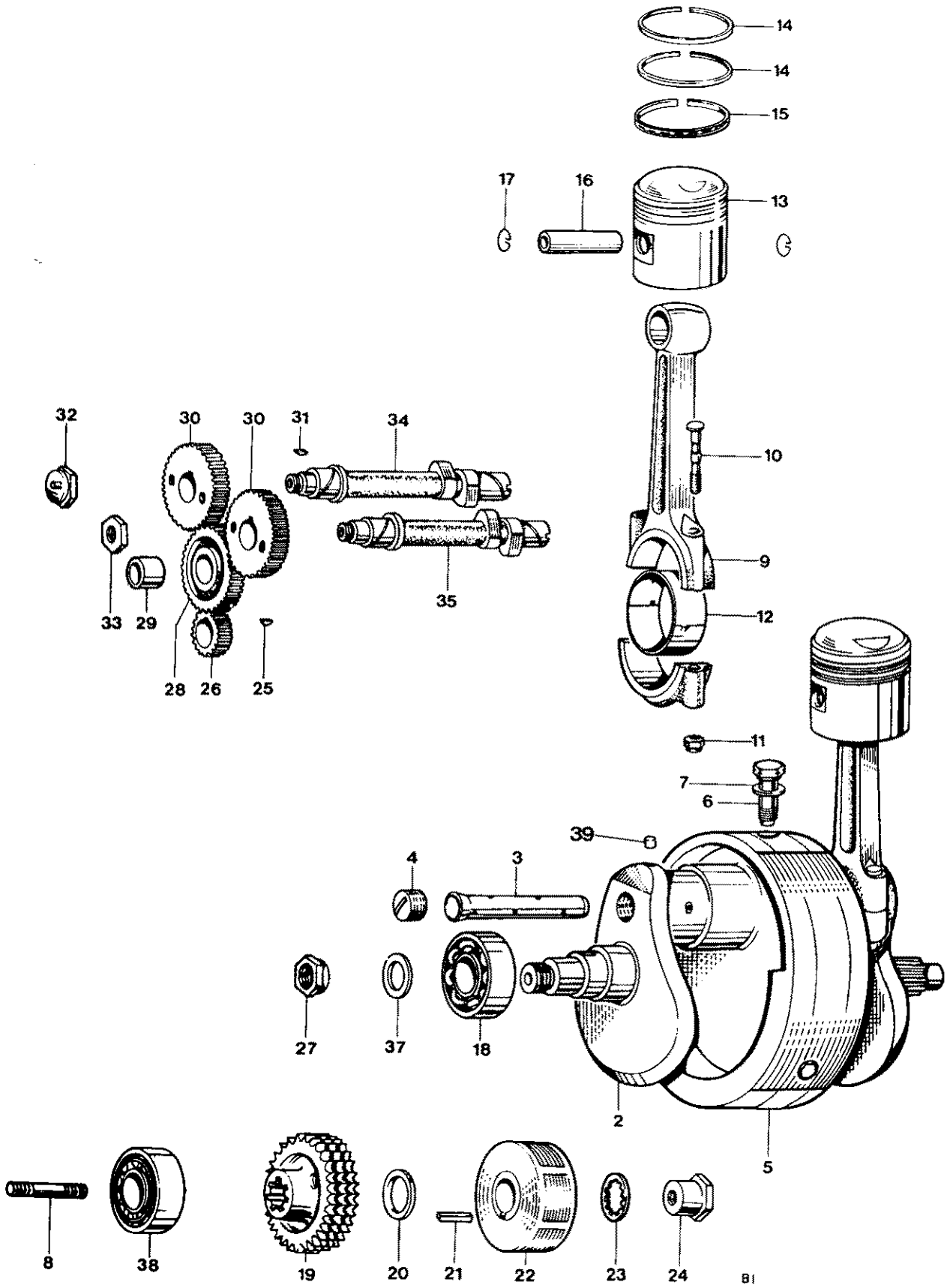

Fig. 1. CRANKSHAFT AND CONNECTING RODS

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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 in. 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 in. and -.020 in. 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	99-0739	Rotor	1	Lucas 54213901
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 in.) — Engine sprocket	As required (up to 4)	
Not illus.	71-2660	Shim (0.030 in.) — Engine sprocket	As required (up to 4)	

* Use 60-0524 Loctite Sealant

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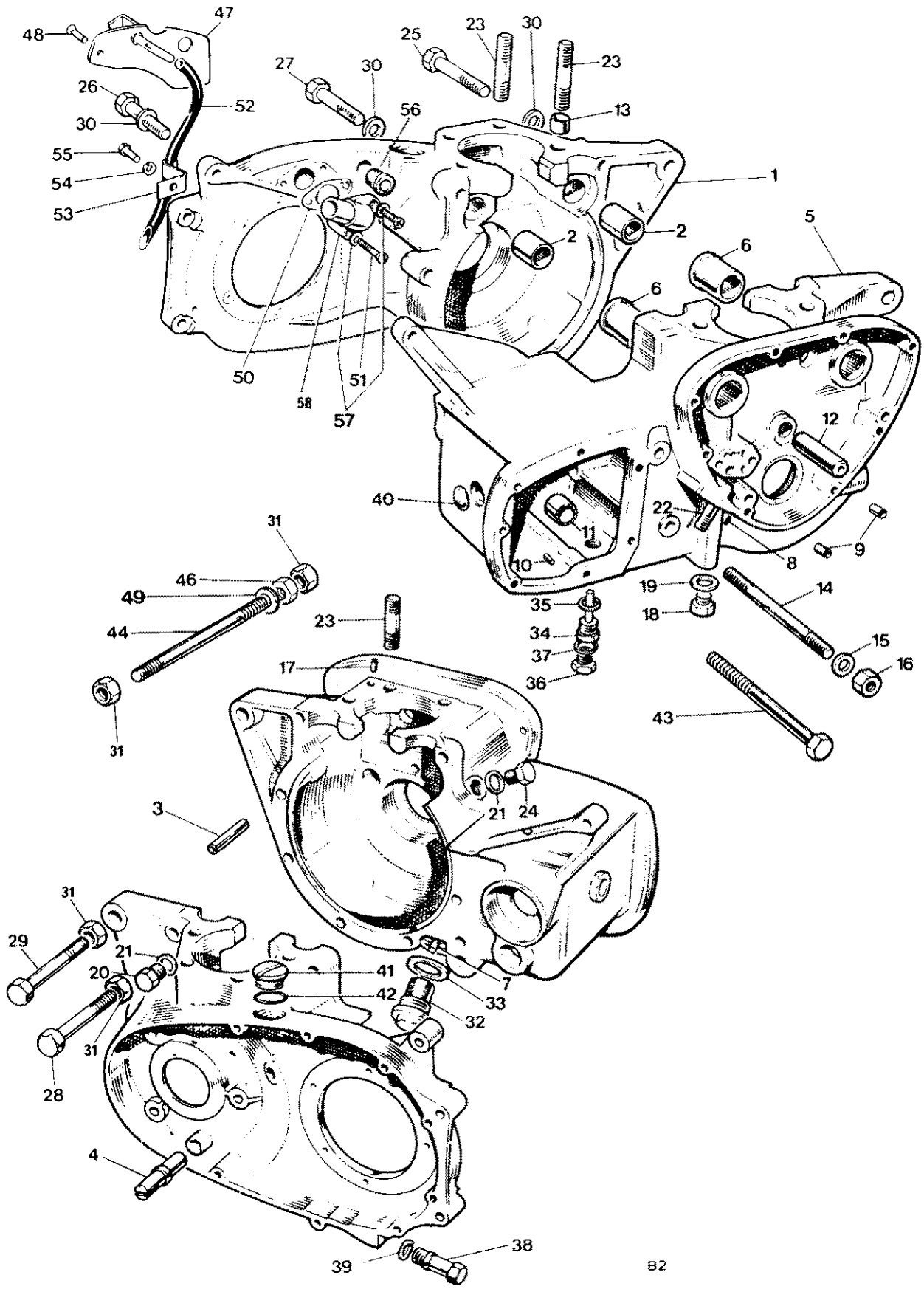

Fig. 2 CRANKCASE

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CRANKCASE

Ref. No.	Part No.	Description	Quantity	Remarks
1		*CRANKCASE DRIVE SIDE	1	Reference 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	Reference only
6	71-0288	Camshaft bush R.H.	2	
7	70-4538	Scavenge pipe	Reference only	
8	70-6386	Locating peg (at oil pipes)	Reference 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	Fibre 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	Reference 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

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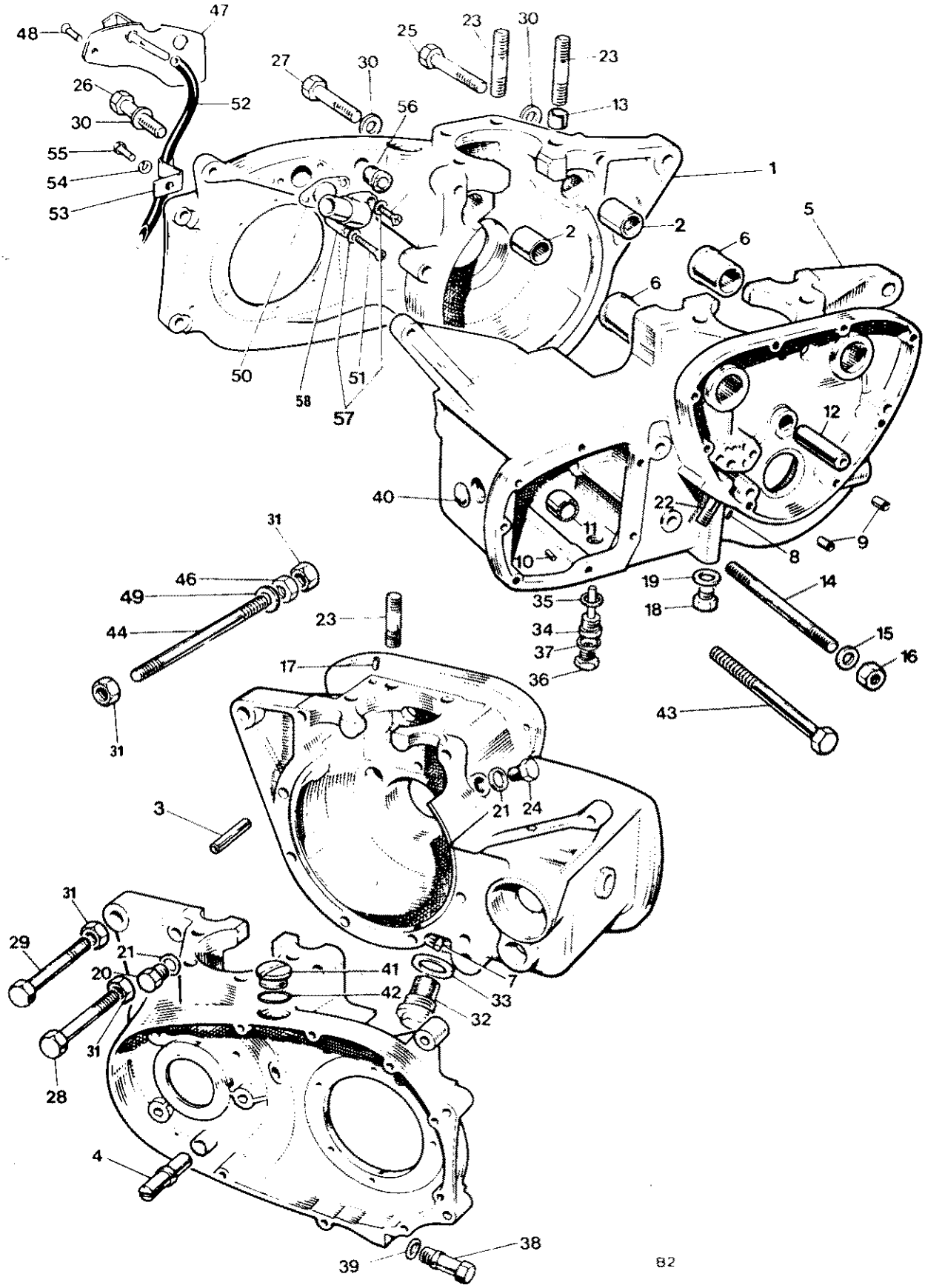

Fig. 2 CRANKCASE

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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	

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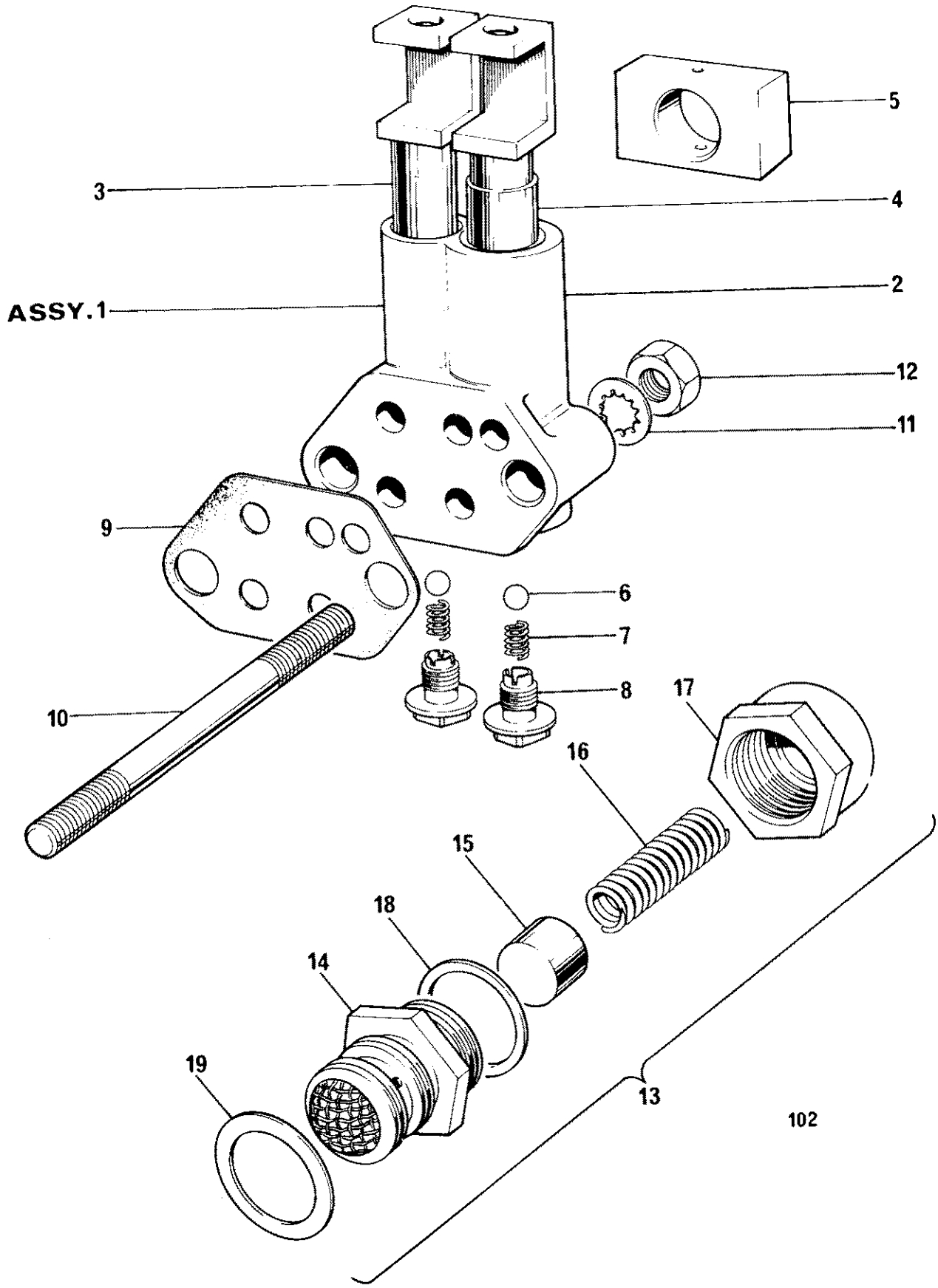

Fig. 3. OIL PUMP AND RELEASE VALVE

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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	

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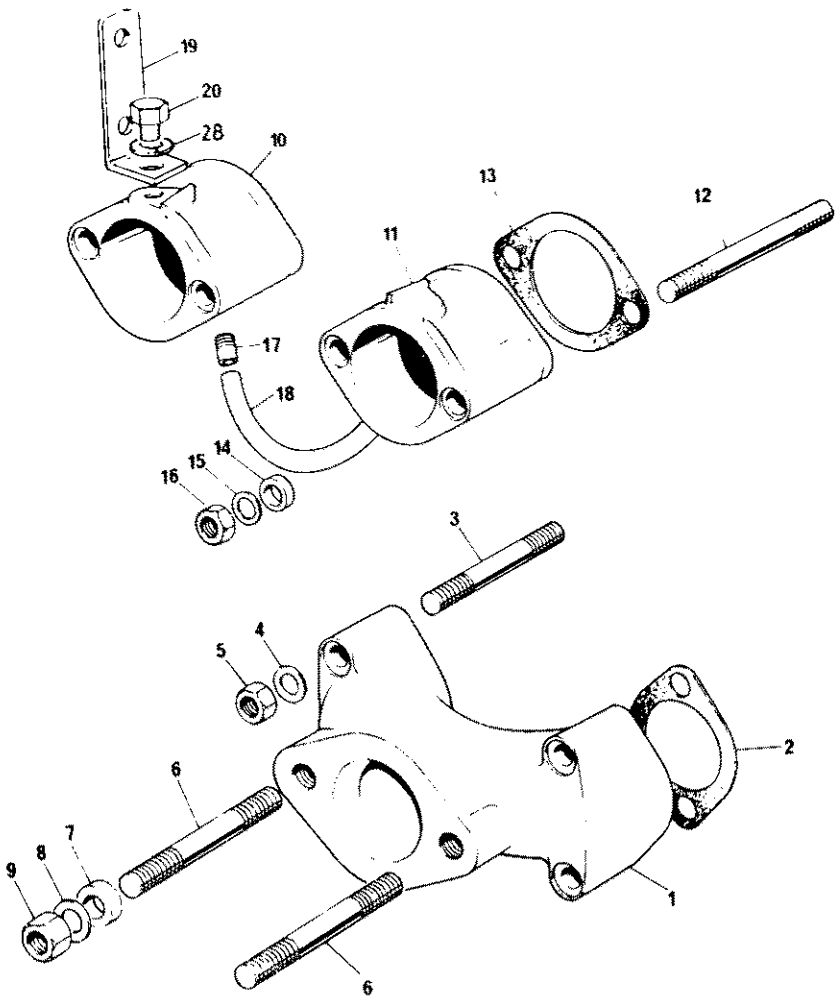

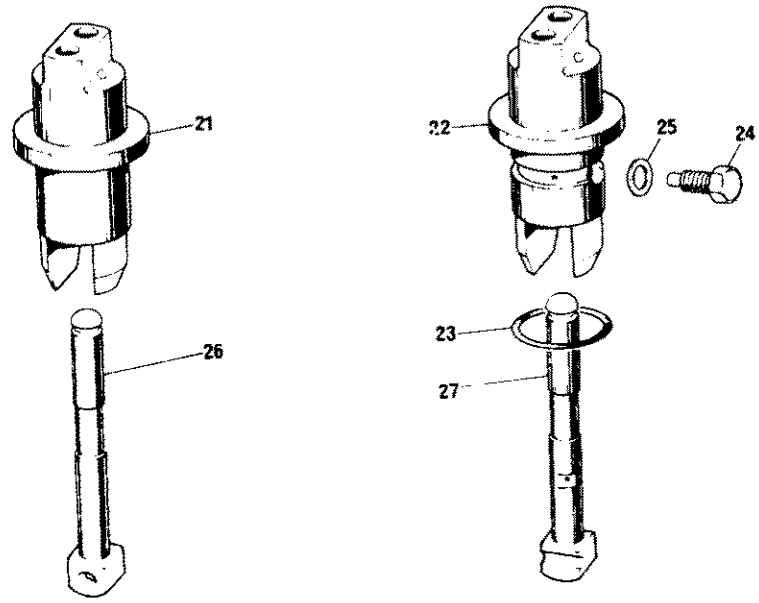

Fig. 4. MANIFOLD AND TAPPETS

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MANIFOLD AND TAPPETS

Ref. No.	Part No.	Description	Quantity	Remarks
1	71-3556	Inlet manifold	1	
2	70-5660	Joint washer	2	
3	21-1876	Stud	4	
4	60-4248	Washer — Manifold to head	4	
5	21-1877	Nut	4	TR7RV
6	21-1996	Stud	2	
7	70-9554	Insulating ring	2	
8	70-9555	Cup — Carburettor to manifold	2	
9	14-1301	Nut	2	
10	71-3339	Inlet manifold - L.H.	1	
11	71-3338	Inlet manifold - R.H.	1	
12	71-2813	Stud	4	
13	71-3573	Joint washer	2	
14	70-9554	Insulating ring — Carburettor to manifold	4	
15	70-9555	Cup — and head	4	T140V
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	

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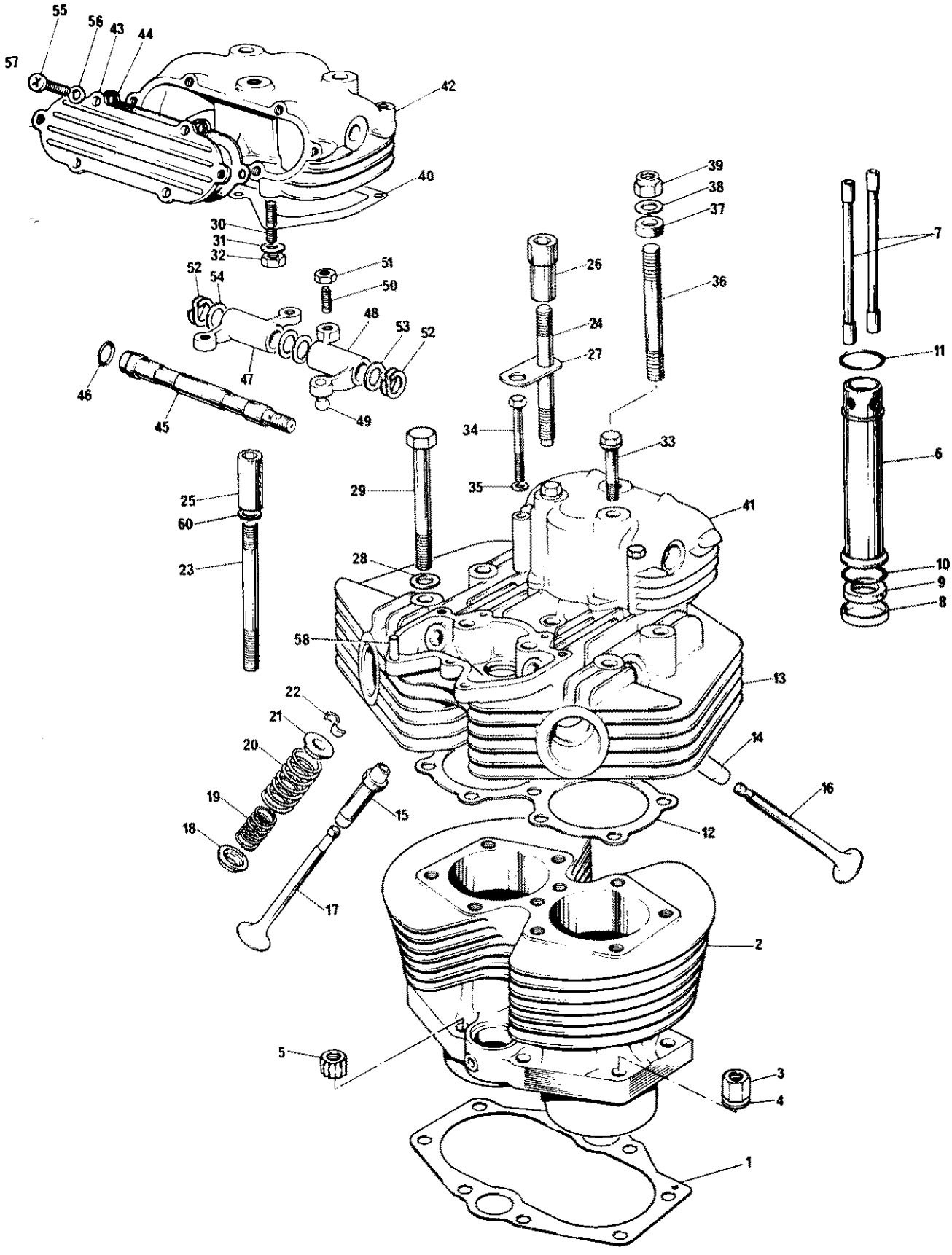

Fig. 5. CYLINDER BLOCK AND HEAD, TR7RV

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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 } Cover tubes	2	
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	
37	37-2338	Distance piece } Torque stay	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	

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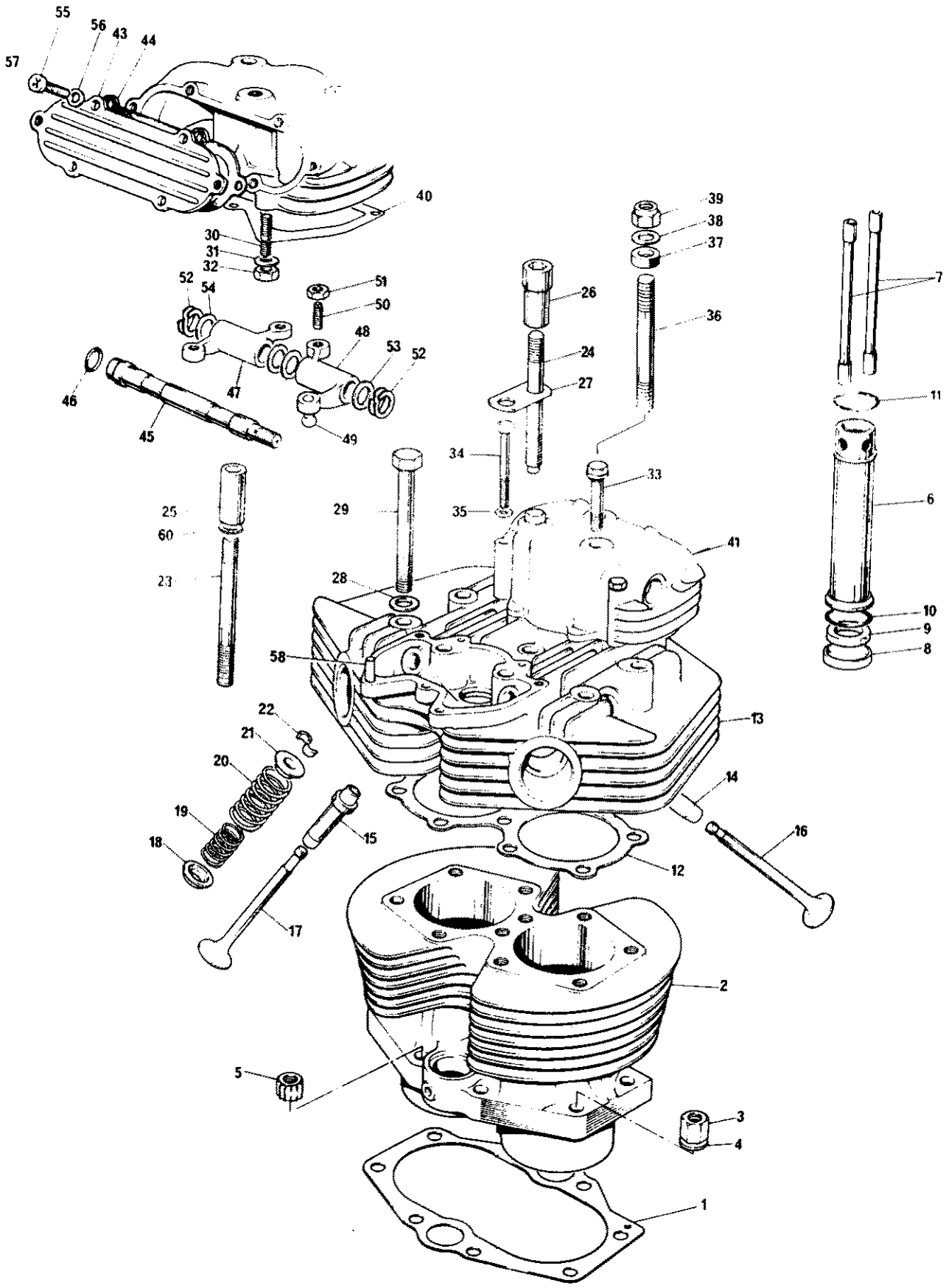

Fig. 5. CYLINDER BLOCK AND HEAD, TR7RV

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Ref. No.	Part No.	Description	Quantity	Remarks
47	70-1457	Rocker (right exhaust, left inlet)	2	Use up to
48	70-1458	Rocker (left exhaust, right inlet)	2	Engine No.
49	71-0070	Ball pin	4	02689.
50	70-1513	Adjusting pin	4	CEI Thread
51	70-0470	Lock nut	4	
47	71-7044	Rocker (right exhaust, left inlet)	2	Use from
48	71-7043	Rocker (left exhaust, right inlet)	2	Engine No.
49	71-0070	Ball pin	4	02690.
50	71-7045	Adjuster pin	4	UNF Thread
51	14-0401	Lock nut	4	
52	70-1574	Spring washer	4	
53	70-1575	Thrust washer ($\frac{1}{2}$ 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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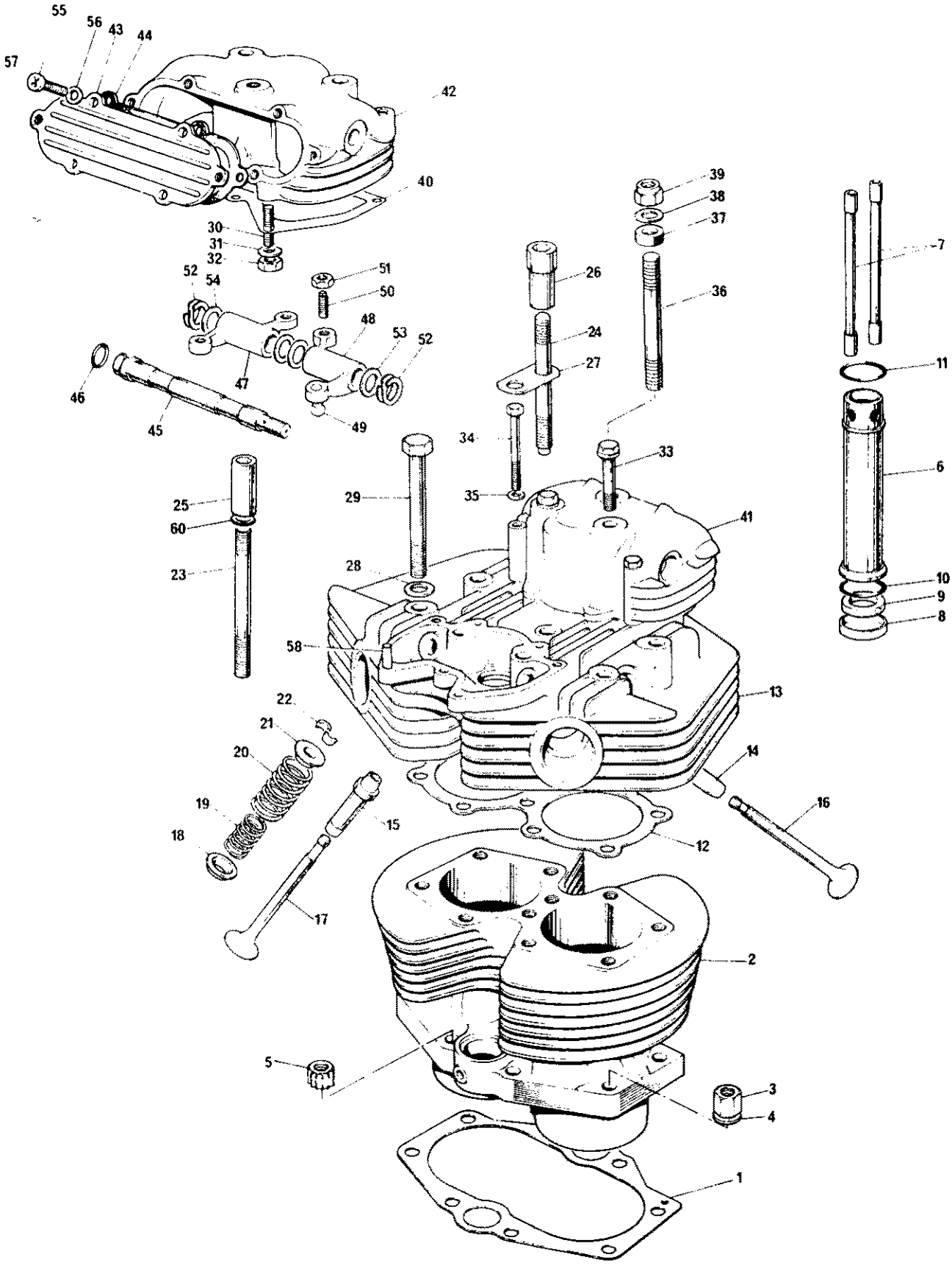

CYLINDER BLOCK & HEAD, T140V

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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	
37	37-2338	Distance piece	2	Torque stay
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	

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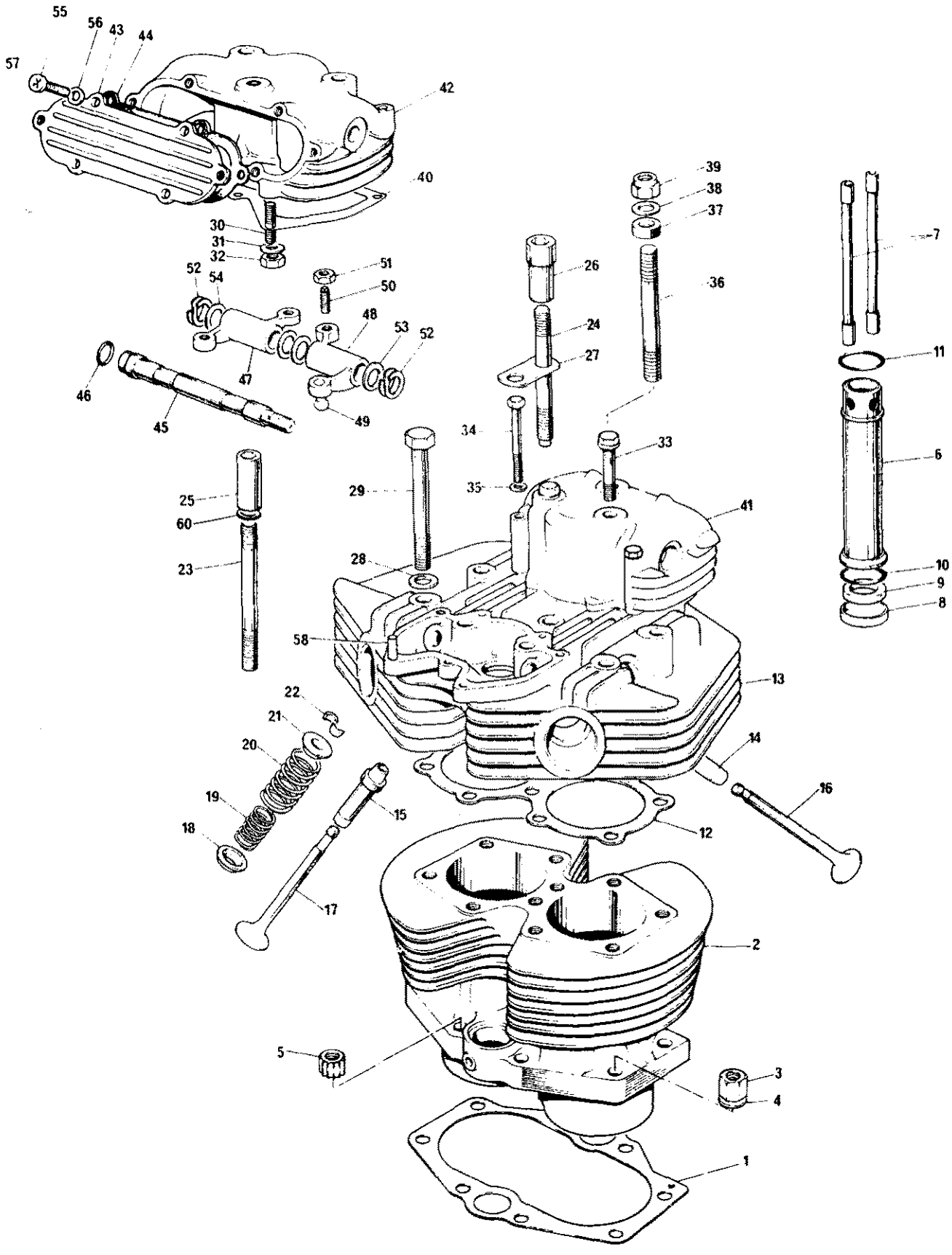

CYLINDER BLOCK & HEAD, T140V

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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	14-0401	Lock nut	4	
52	70-1574	Spring washer	4	
53	70-1575	Thrust washer (½ 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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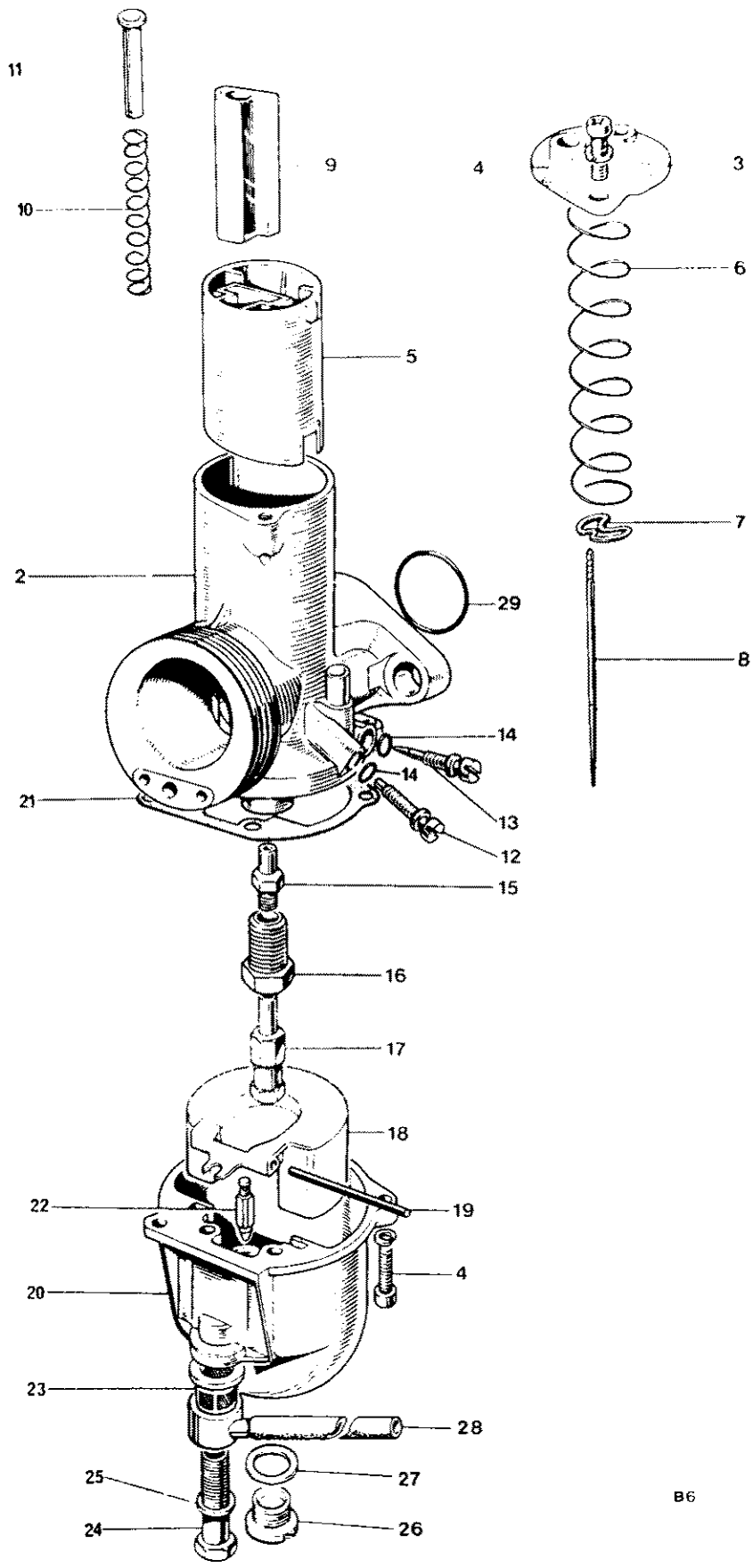

Fig. 8. AMAL CARBURETOR, TR7RV

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CARBURETOR TR7RV

Ref. No.	Part No.	Makers Part No.	Description	Quantity	Remarks
1	19-2454	R930/94	CARBURETTOR	1	
2	Amal.	930/005	Carburettor body	1	
3	Amal.	928/098	Mixing chamber top	1	
4	99-0521	622/086	Screw, float and mixing chamber tops	4	
5	99-0527	928/060	Throttle valve (No. 3 cutaway)	1	
6	99-1033	622/131	Throttle return spring	1	
7	99-0510	622/067	Needle clip	1	
8	99-1036	622/124	Needle	1	
9	99-0528	928/062	Air valve	1	
10	99-1038	622/129	Air valve spring	1	
11	99-1037	928/103	Air valve guide	1	
12	99-0516	622/077	Throttle stop screw	1	
13	99-0515	622/076	Pilot air screw	1	
14	99-0520	622/082	'O' ring for air and throttle screws	2	
15	99-1035	622/122	Needle jet (.106)	1	
16	99-1034	622/128	Jet holder	1	
17	99-0454	376/100	Main jet (270)	1	
18	99-0512	622/069	Float	1	
19	99-0513	622/071	Float spindle	1	
20	99-0506	622/055	Float chamber	1	
21	99-0514	622/073	Float chamber washer	1	
22	99-0511	622/068	Float needle	1	
23	99-0438	376/093	Filter	1	
24	99-0517	622/078	Banjo bolt	1	
25	99-1124	13/163	Banjo washer	1	
26	99-1152	622/147	Drain plug	1	
27	99-1153	622/151	Drain plug washer	1	
28	83-4887	-	Petrol pipe	1	
29	70-9711	622/101	'O' ring for flange	1	
	Amal.	622/172	Tickler complete	1	Not illustrated

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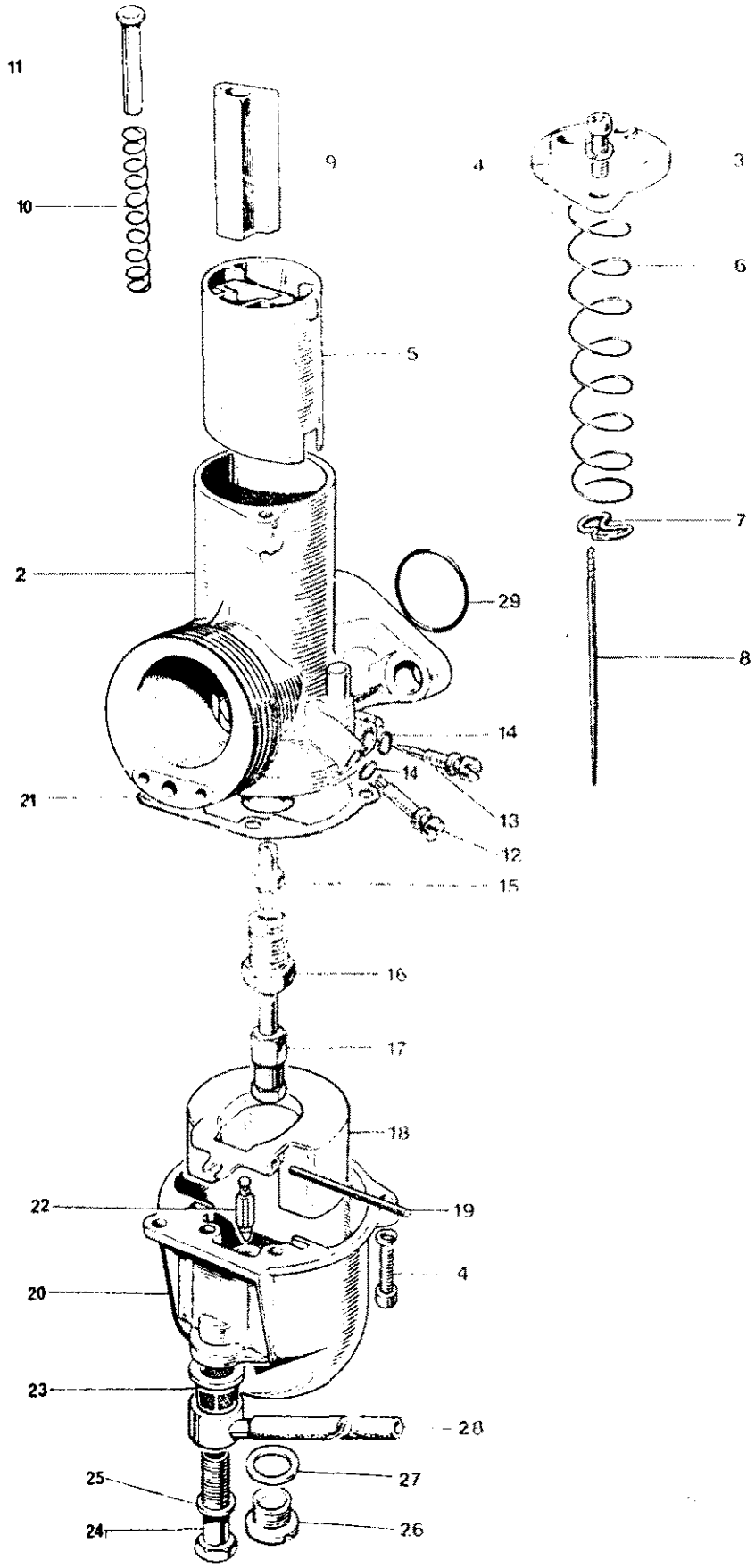

Fig.9. AMAL CARBURETOR, T140V

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CARBURETOR T140V

Ref. No.	Part No.	Makers Part No.	Description	Quantity	Remarks
1	19-2452	L930/93	CARBURETTOR, LEFT	1	
1	19-2453	R930/92	CARBURETTOR, RIGHT	1	
2	Amal.	L930	Carburettor body, LEFT	1	
2	Amal	R930	Carburettor body, RIGHT	1	
3	Amal.	928/098	Mixing chamber top	1	
4	99-0521	622/086	Screw, float and mixing chamber tops	4	
5	99-0527	928/060	Throttle valve (No. 3 cutaway)	1	
6	99-1033	622/131	Throttle return spring	1	
7	99-0510	622/067	Needle clip	1	
8	99-1036	622/124	Needle	1	
9	99-0528	928/062	Air valve	1	
10	99-1038	622/129	Air valve spring	1	
11	99-1037	928/103	Air valve guide	1	
12	99-0516	622/077	Throttle stop screw	1	
13	99-0515	622/076	Pilot air screw	1	
14	99-0520	622/082	'O' ring for air and throttle screws	2	
15	99-1035	622/122	Needle jet (.106)	1	Each carburettor
16	99-1034	622/128	Jet holder	1	
17	99-0446	376/100	Main jet (190)	1	
18	99-0512	622/069	Float	1	
19	99-0513	622/0701	Float spindle	1	
20	99-0506	622/055	Float chamber	1	
21	99-0514	622/073	Float chamber washer	1	
22	99-0511	622/068	Float needle	1	
23	99-0438	376/093	Filter	1	
24	99-0517	622/078	Banjo bolt	1	
25	99-1124	13/163	Banjo washer	1	
26	99-1152	622/147	Drain plug	1	
27	99-1153	622/151	Drain plug washer	1	
28	82-6209		Petrol pipe Assy	1	T140V
29	70-9711	622/101	'O' ring for flange	1	Each carburettor
	Amal	622/172	Tickler complete	1	Not illustrated

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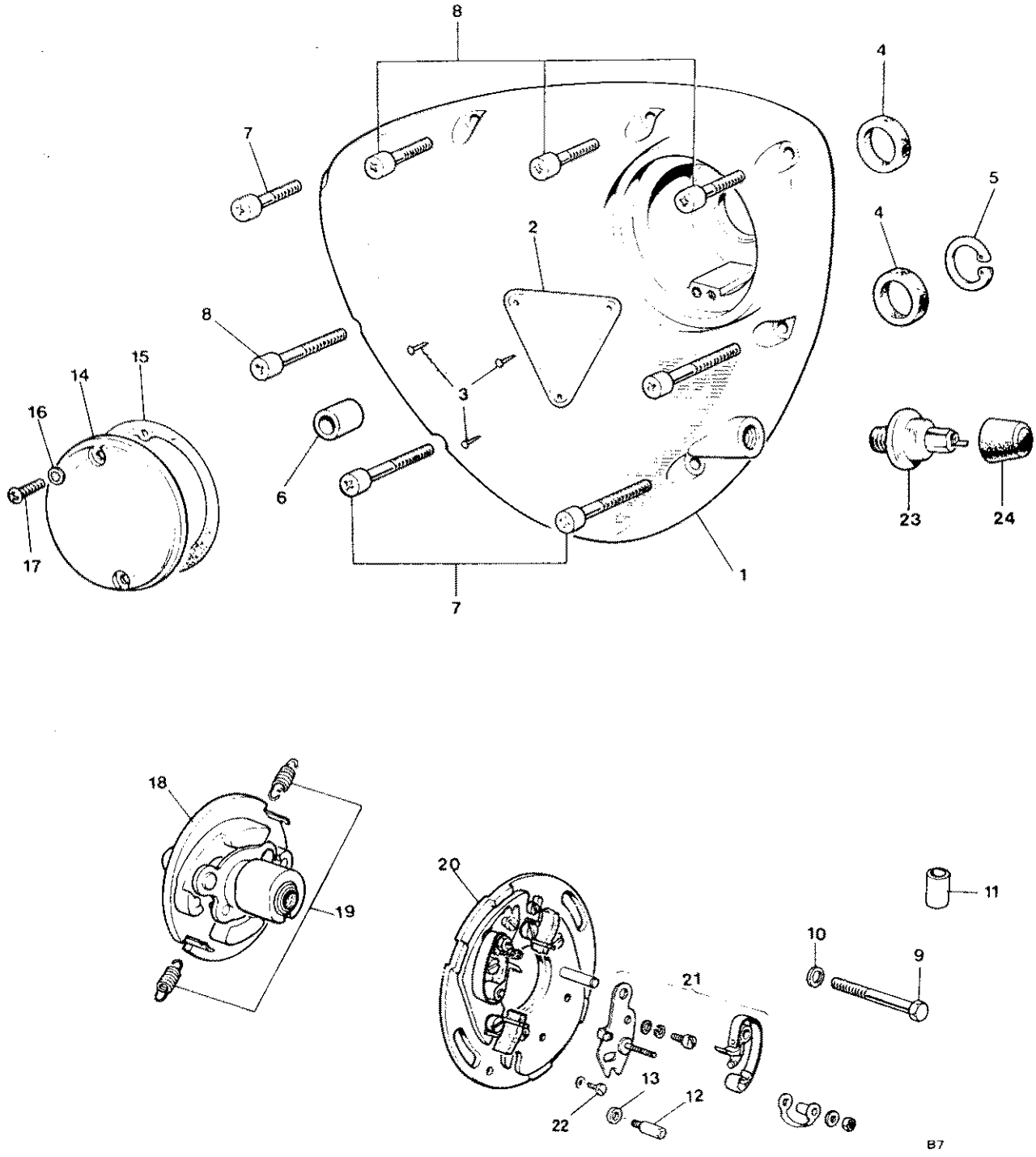

Fig. 10. TIMING COVER AND CONTACT BREAKER

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Ref. No.	Part No.	Description	Quantity	Remarks
1	71-7042	Timing cover C/W Patent plate	1	
2	70-4016	Patent plate	1	
3	60-4255	Hammer-drive screw	3	
4	70-4568	Oil seal	2	
4	70-6387	Oil seal (0.020 in. undersize)		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	Fibre washer	2	
17	70-7354	Screw ($\frac{1}{2}$ in. U.H.)	2	
18	99-1263	AUTO ADVANCE UNIT	1	Lucas 54425657
19	99-1264	Spring set	1	Lucas 54412229
20	99-1265	CONTACT BREAKER PLATE ASSEMBLY	1	Lucas 54425160
21	99-1266	Contact set	2	Lucas 60600271
22	99-0769	Pin, adjustment	2	Lucas 54419220
23	60-3719	Oil pressure switch	1	
24	71-2930	Cover pressure switch	1	
Not illus.	60-2138	Timing label for C.B. cover	1	

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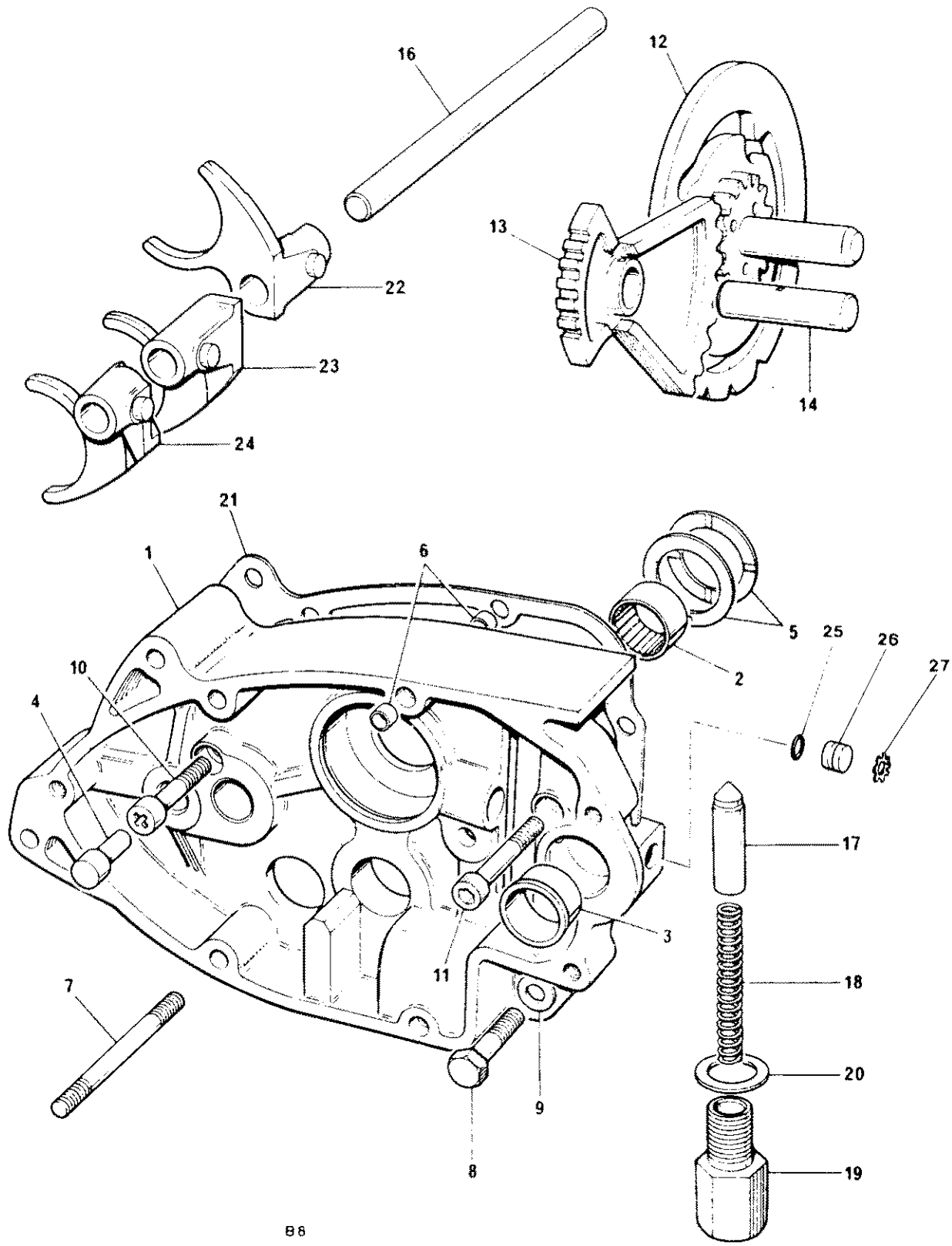

Fig. 11 GEARBOX INNER COVER AND SELECTORS

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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	

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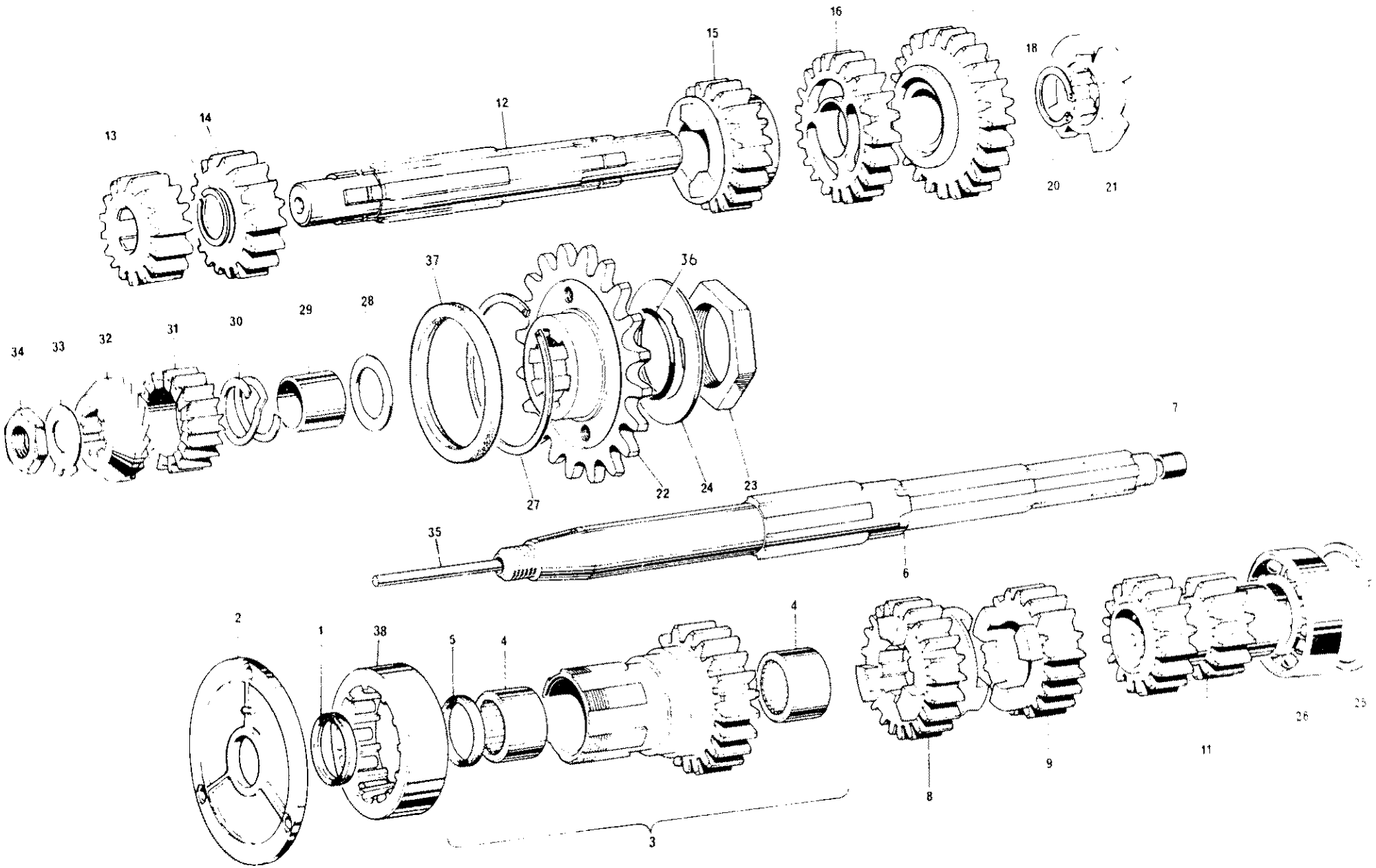

Fig. 12 GEARBOX SHAFTS AND GEARS (5 SPEED)

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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 Assy	1	
11	57-4653	Mainshaft 1st and 2nd gear	1	
12	57-4900	LAYSHAFT	1	
13	57-4791	Layshaft high gear		
14	57-4787	Layshaft 4th gear Assy		
	57-4790	Circlip for layshaft high gear		
15	57-4647	Layshaft 3rd gear	1	
16	57-4657	LAYSHAFT 2nd GEAR Assy	1	
18	57-4654	LAYSHAFT 1st GEAR Assy	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	64-4100	High gear bearing	1	

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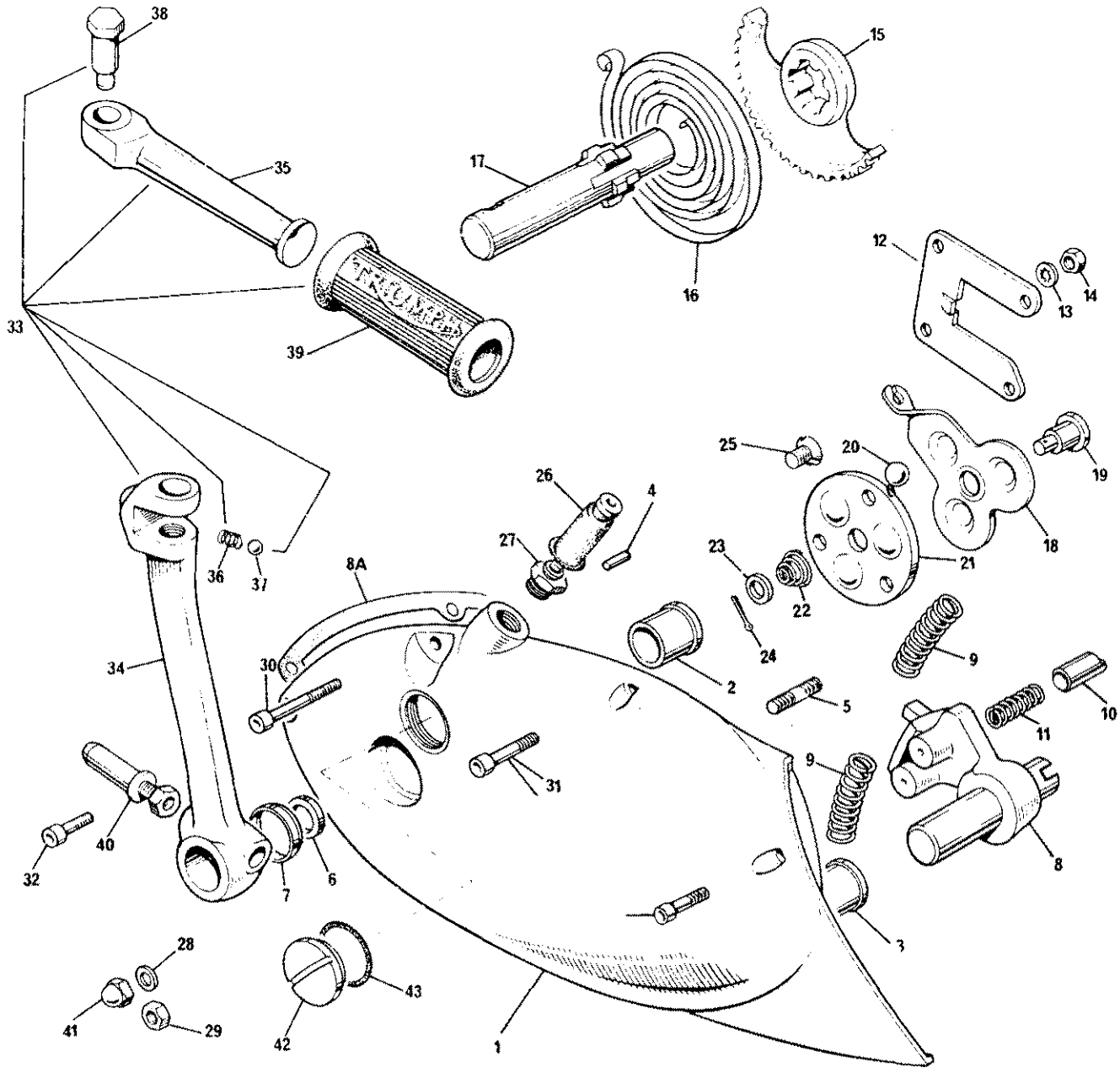

Fig. 13. GEARBOX OUTER COVER

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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 inclusiv
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 $\frac{1}{2}$ in.)	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	
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, $\frac{1}{4}$ 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	

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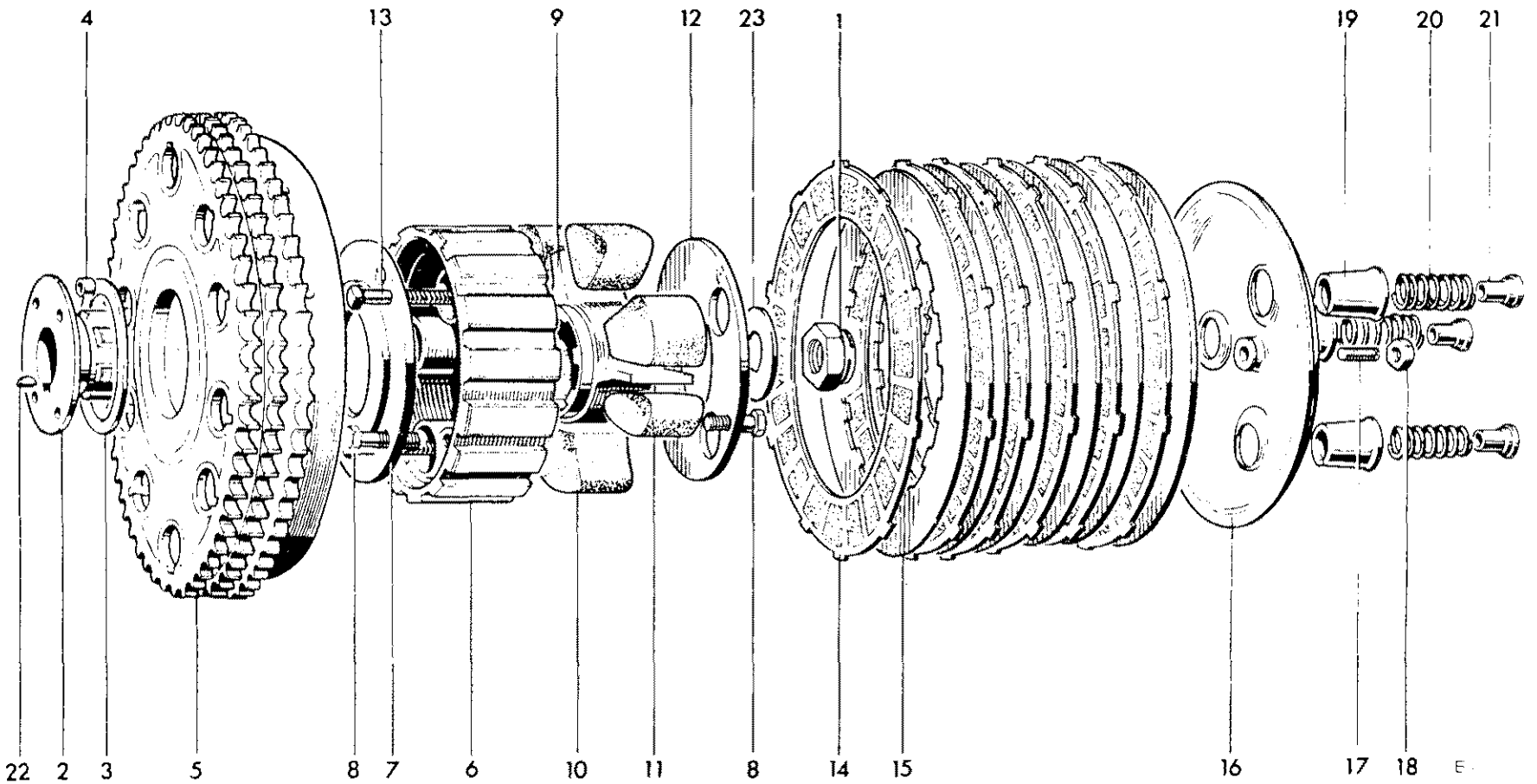

Fig. 14. CLUTCH

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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	

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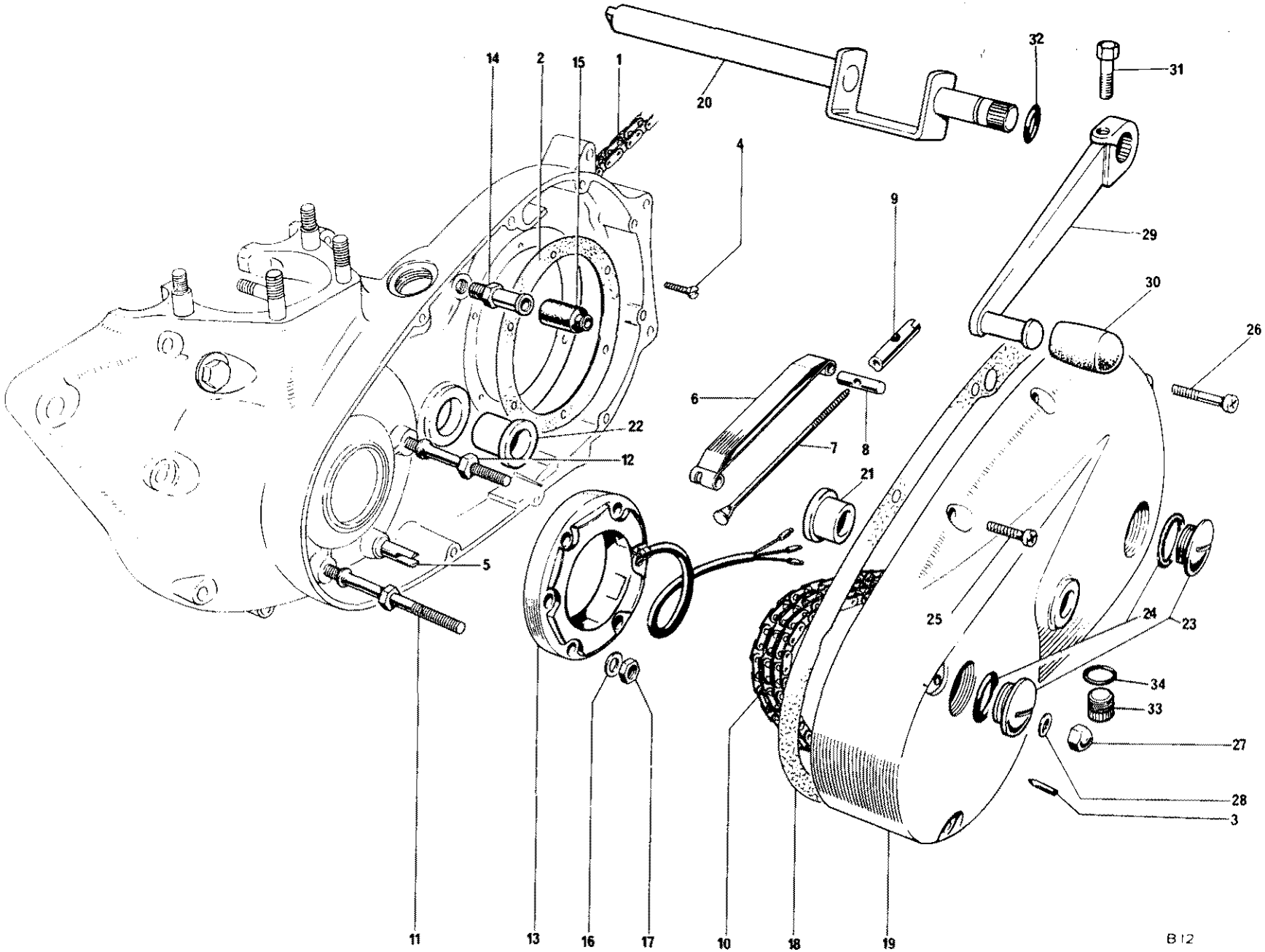

Fig. 15. CHAINCASE AND CHAINS

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Ref. No.	Part No.	Description	Quantity	Remarks
1	60-2118	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	60-4125	Primary chain, 3/8 in. Triplex x 84 links	1	
11	21-2199	Stator stud	2	
12	21-2198	Stator stud	1	
13	99-1006	Stator, RM21	1	Lucas 47205
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	

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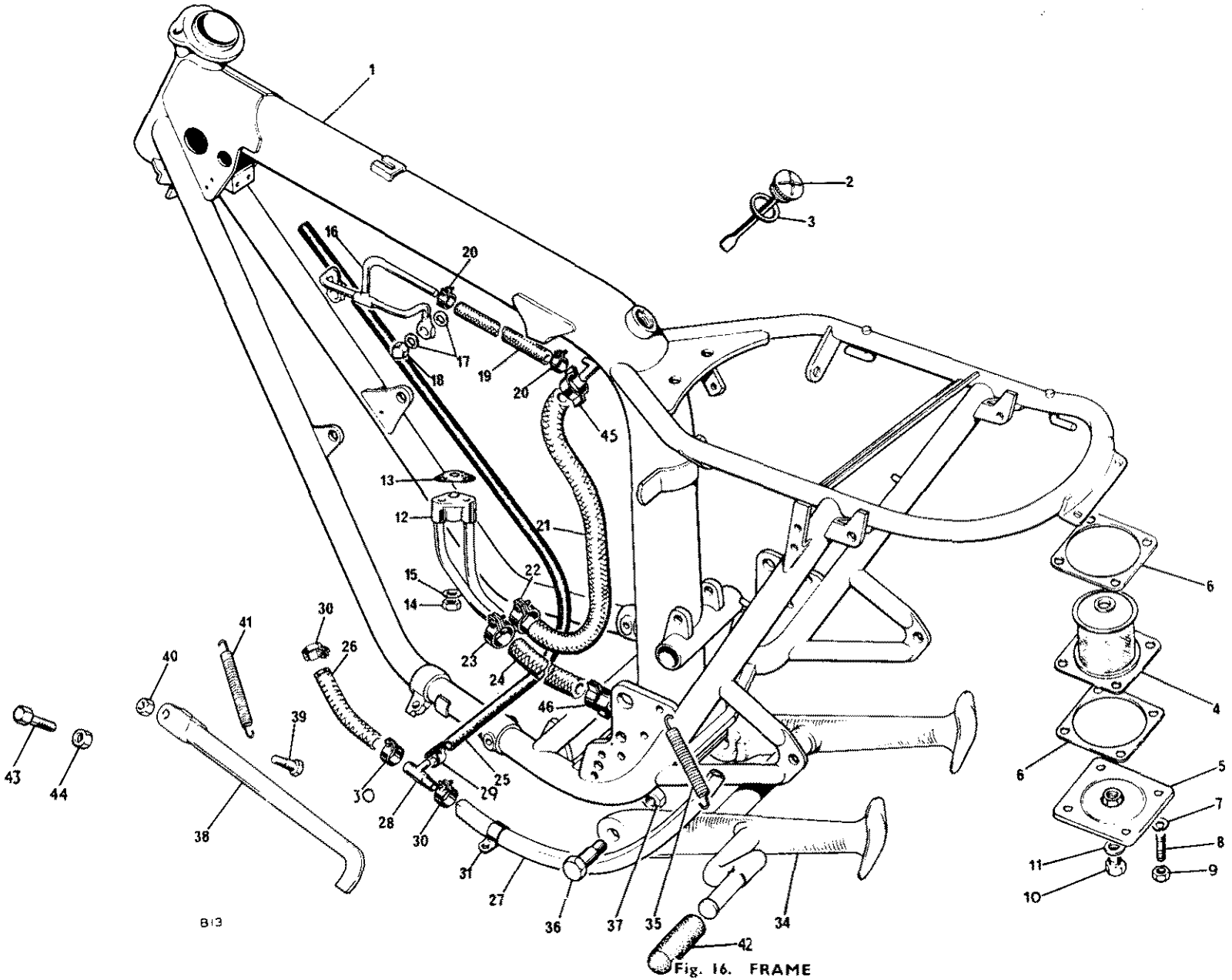

Fig. 16. FRAME

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FRAME

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 — Sump plate to frame	4	
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 — Junction block to crankcase	1	
15	70-3446	Washer — Junction block to crankcase		
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 and rear	2	
31	83-1615	Clip - breather pipe to fender	4	
34	83-4941	Centre 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, centre stand	1	
Not illus.	60-3361	Transfer "Made in England"	1	
43	14-0114	Bolt — Prop stand stop	1	
44	14-0402	Nut — Prop stand stop		
45	60-4428	'Ear' clamp, oil return pipe	1	
46	60-4429	'Ear' clamp, oil feed pipe	1	

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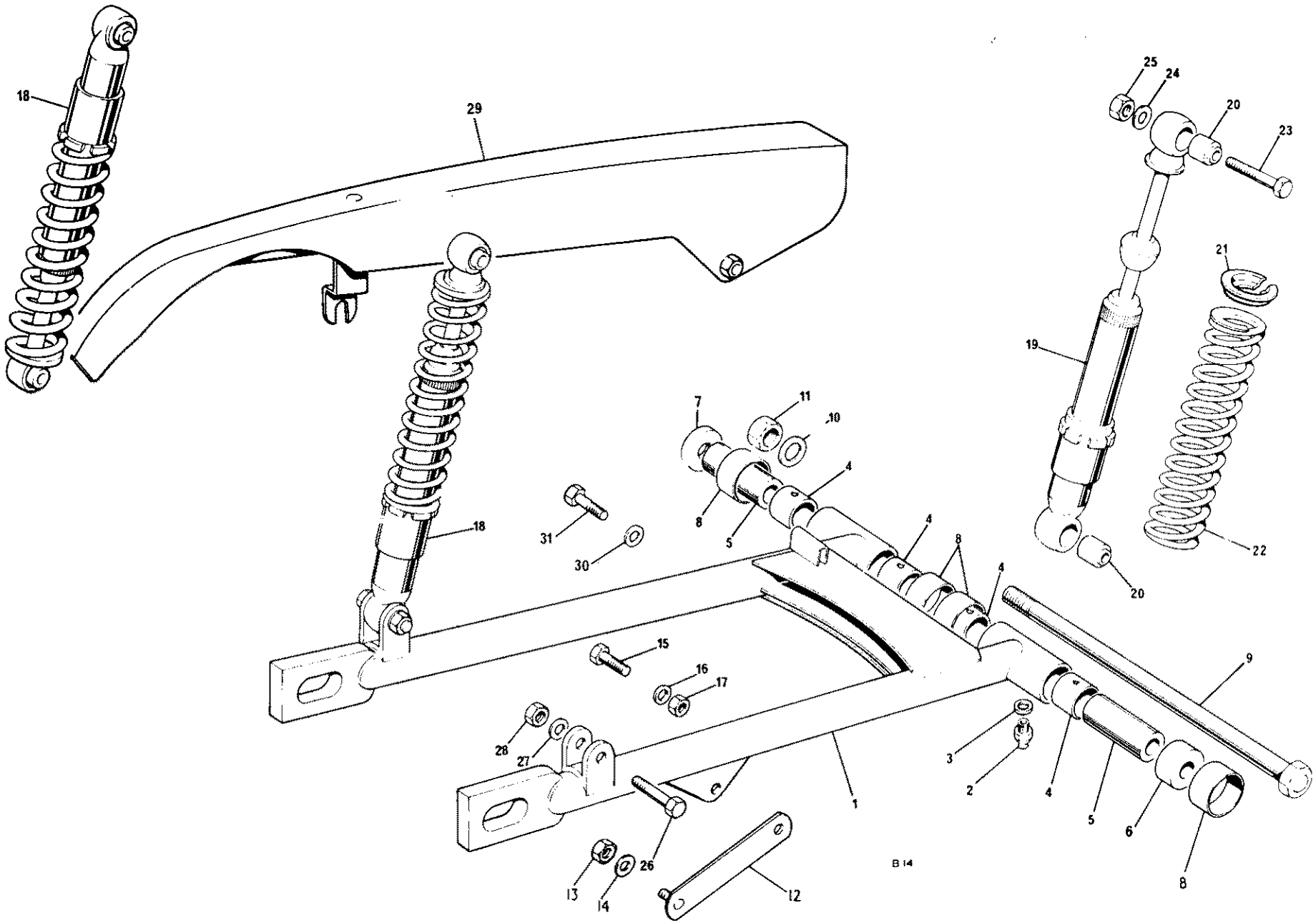

Fig. 17. SWINGING FORK AND SUSPENSION UNITS

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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	83-2691	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 swinging arm		1	
17	14-1304	Nut, torque stay to swinging arm		1	
18	60-3957	SUSPENSION UNIT	Girling 64052564	2	
19	Girling	Damper unit	Girling 6405263		
20	99-0122	Bonded bush	Girling 64533645	4	
21	99-0107	Spring retainer	Girling 9054/171	4	
22	99-1048	Spring, 110 lbs. chrome	Girling 64543708	2	
18	60-7037	SUSPENSION UNIT	Girling 70056007	2	USA only
19	Girling	Damper unit	Girling 70056008	2	" "
20	99-7004	Bonded bush	Girling 64541161	4	" "
21	99-7005	Spring retainer	Girling 70520135	2	" "
22	99-1048	Spring chrome 110lbs.	Girling 64543708	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	

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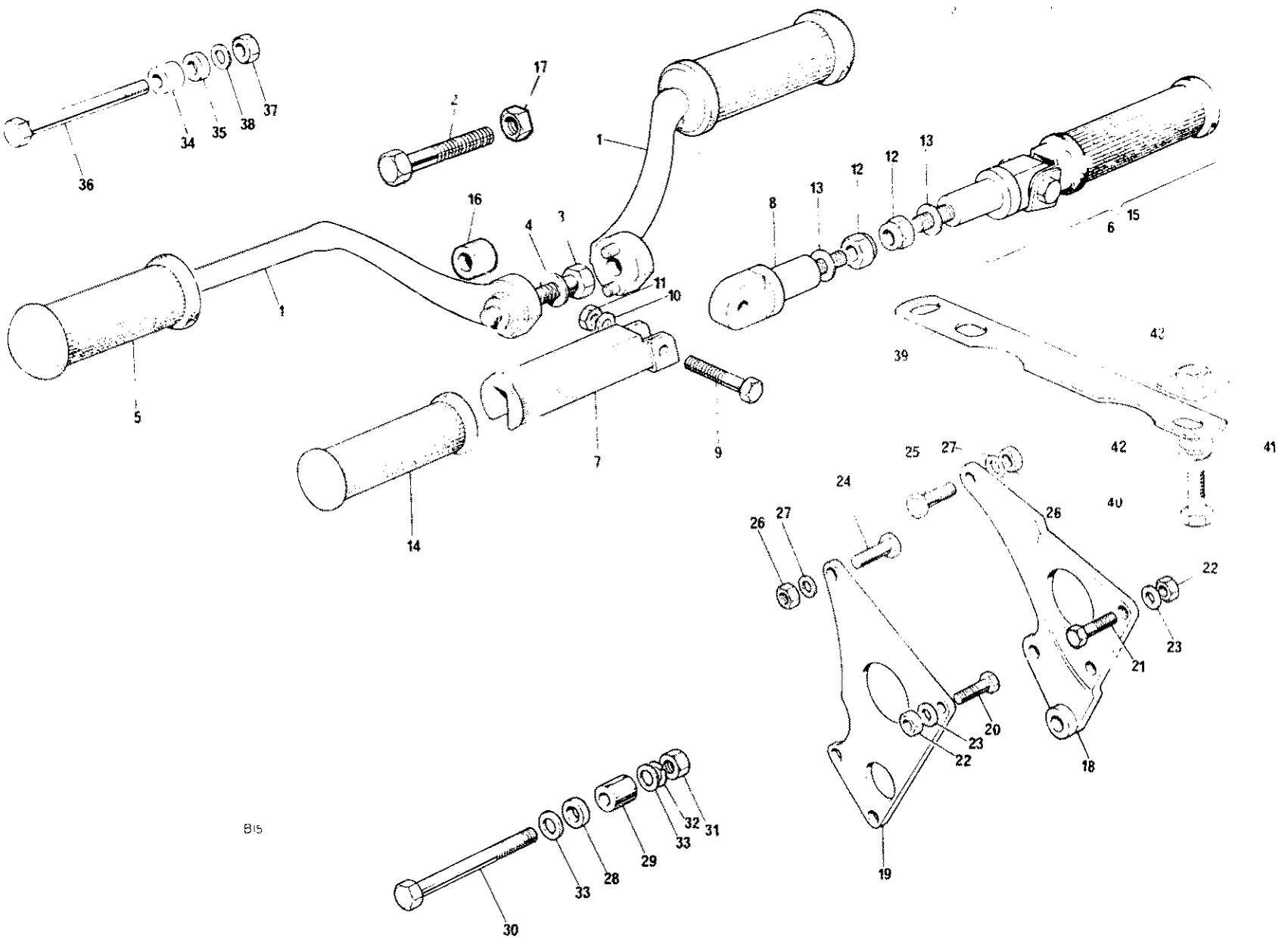

Fig. 18. MOTOR UNIT FITTING AND FOOTRESTS

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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 (alternative 82-9630)	2	
6	83-7026	PILLION FOOTREST ASSEMBLY RIGHT	1	
7	83-7059	Pedal	2	
8	21-7026	Anchor bolt, left	1	
8	21-7027	Anchor bolt, right	1	
9	14-0216	Bolt	2	
10	82-9089	Washer } Footrest swivel	2	
11	14-1302	Nut	2	
12	14-1303	Nut	2	
13	82-2184	Washer } Footrest to frame	2	
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 } Rear motor plates to frame	5	
23	60-2330	Washer	9	
24	14-0220	Bolt	2	
25	14-0221	Bolt	2	
26	14-1302	Nut } Motor to motor plates	4	
27	60-2321	Washer	8	
28	83-2846	Distance piece - left	1	
29	83-2847	Distance piece - right	1	
30	21-2112	Bolt	1	
31	14-0304	Nut } Motor to frame centre bottom	1	
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	
37	14-1304	Nut } Motor fixing front	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 } Bracket to frame	1	
42	60-2419	Washer	1	
43	83-4086	Attachment plate	1	

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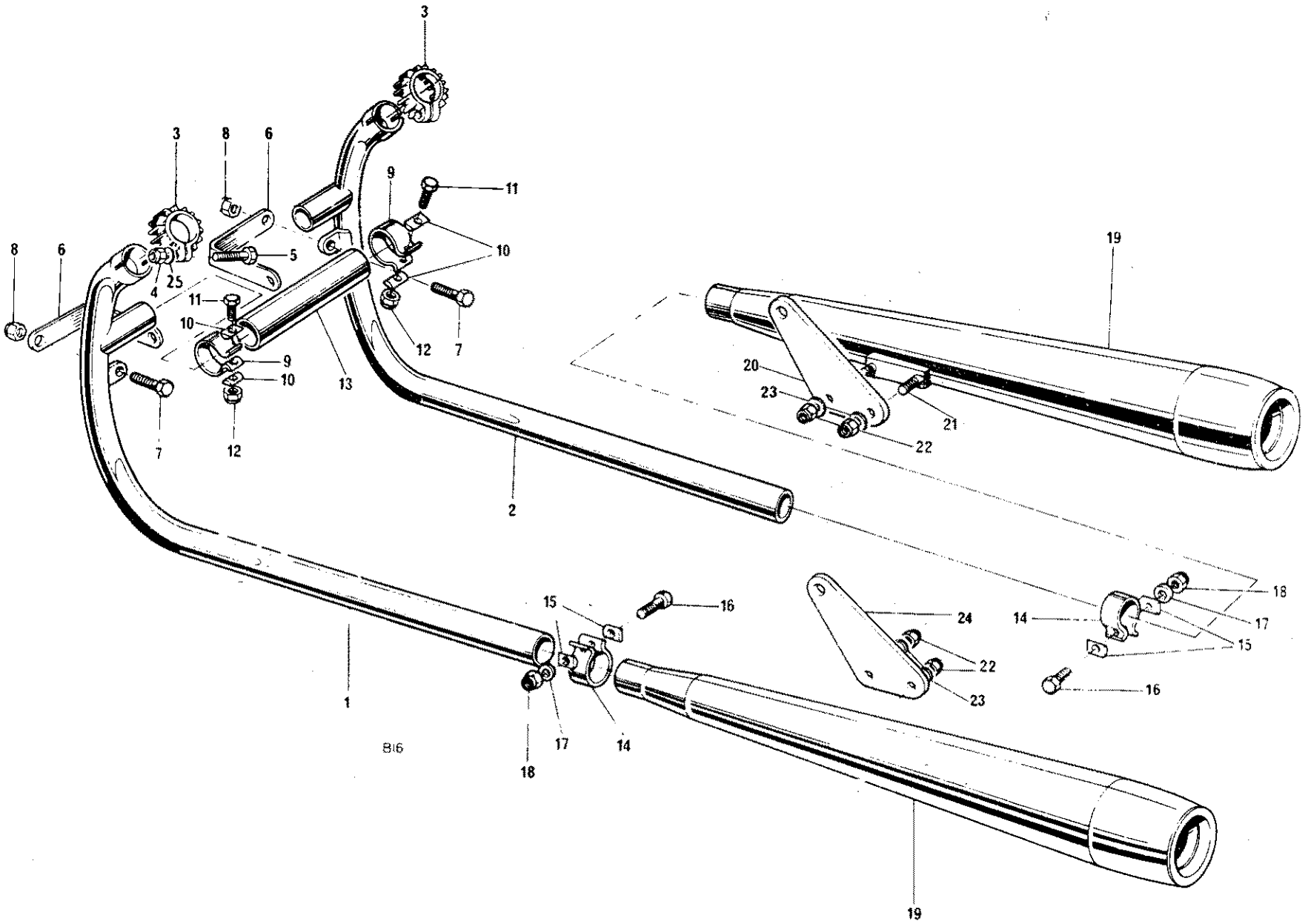

Fig. 19. EXHAUST PIPES AND MUFFLERS

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EXHAUST PIPES AND MUFFLERS, TR7RV, T140V

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	
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	
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	
22	14-1201	Nut	4	
23	60-4248	Washer	4	
24	83-7022	Hanger muffler left	1	
25	60-2416	Washer	2	

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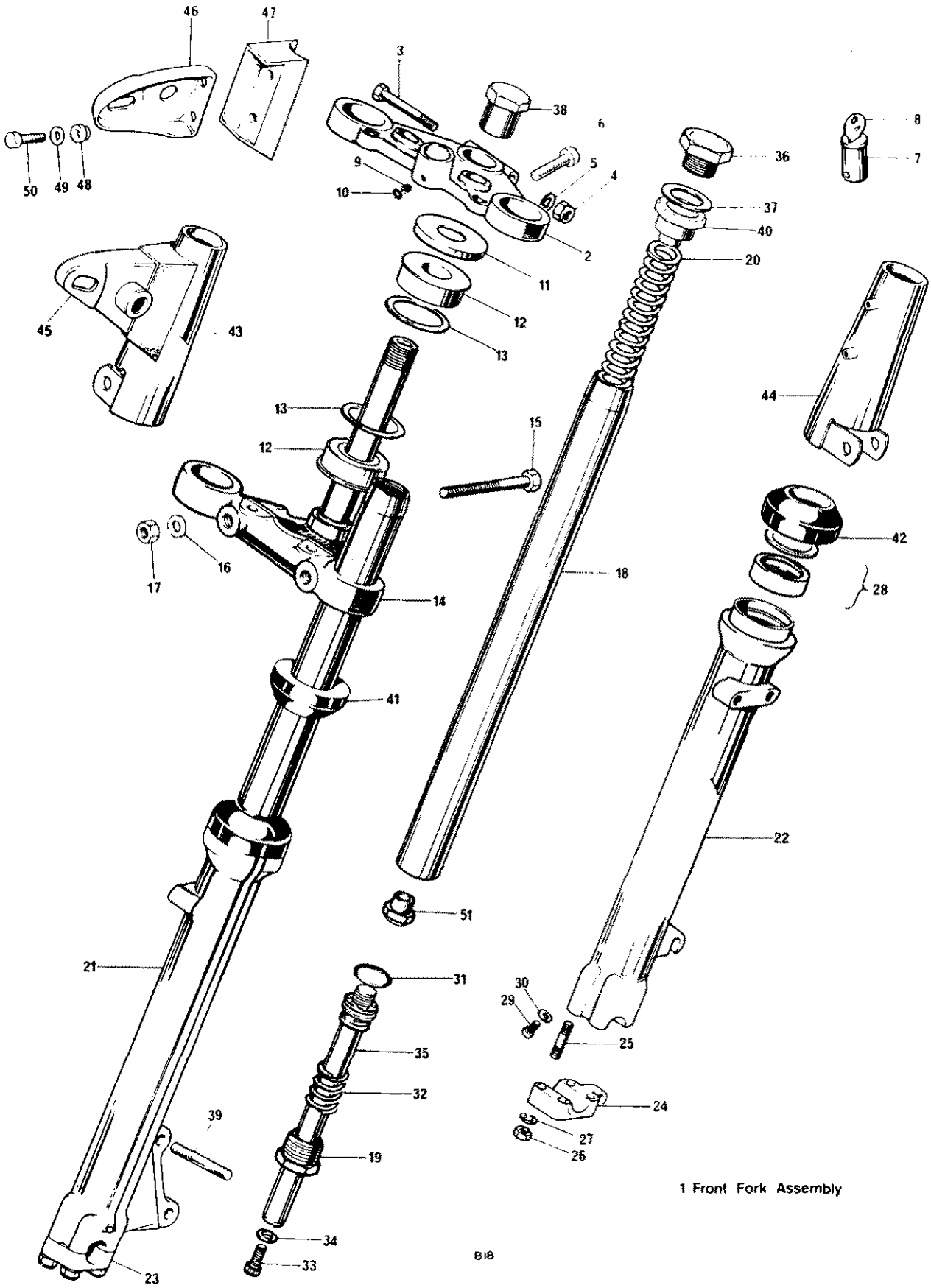

1 Front Fork Assembly

Fig. 20. TELESCOPIC FRONT FORK

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Ref. No.	Part No.	Description	Quantity	Remarks
1	97-4616	FORK ASSEMBLY	1	General & U.K.
1	97-4396	FORK ASSEMBLY	1	U.S.A.
2	97-4397	Top Yoke See Page 52	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 See Page 52	1	
8	60-0623	Key (state serial no.)	1	
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	
		Oil seal retainer	2	Ref only
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

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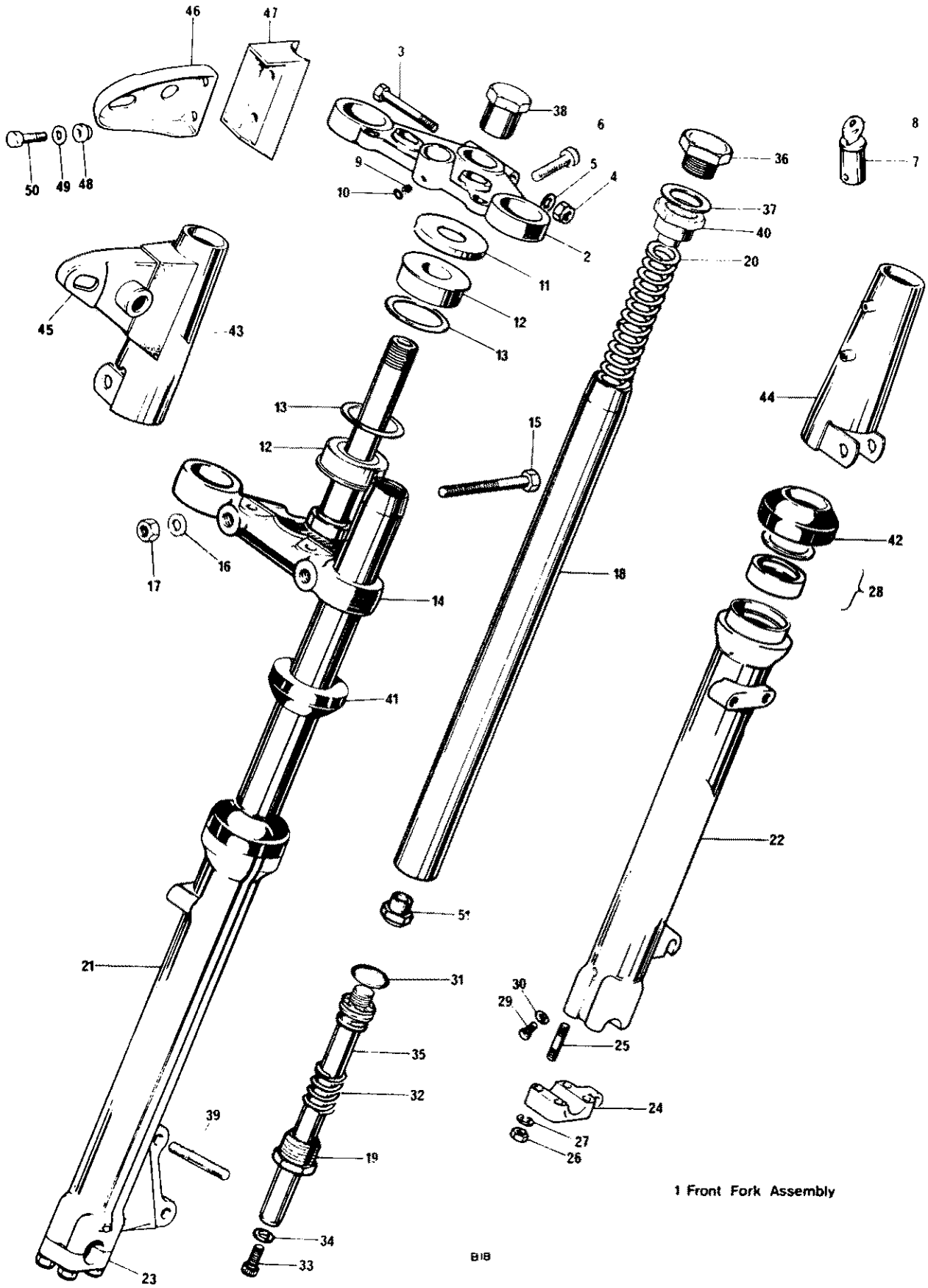

Fig. 20. **TELESCOPIC FRONT FORK**

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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	
52	97-1510	Gaiter- fork outer cover	2	Not USA
2	99-4470	Top yoke	1	For Nieman lock
7	60-3780	Lock C/W 2 keys	1	Nieman type

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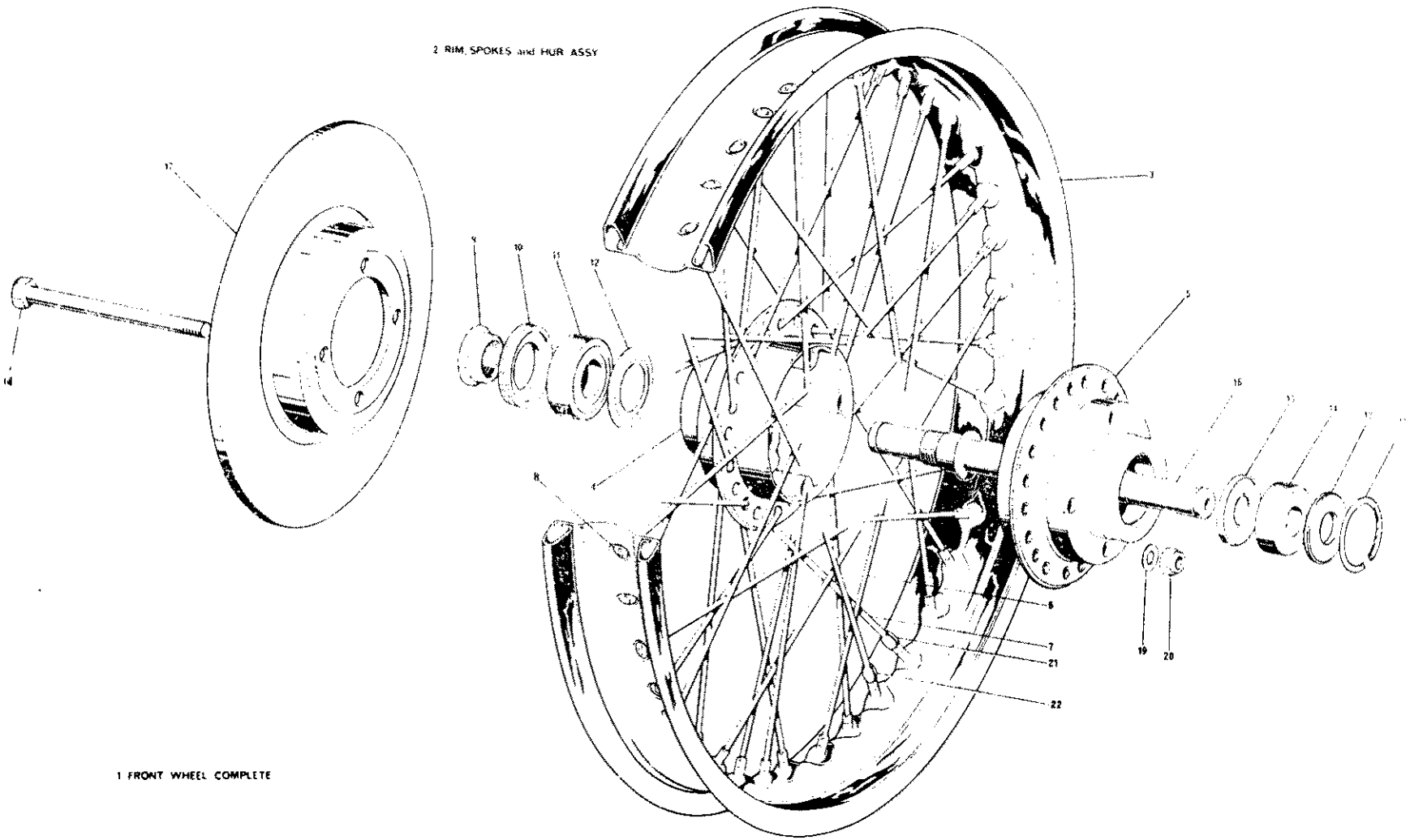

Fig. 22 **FRONT WHEEL**

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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 } Disc to hub	4	
20	14-1903	Nut	4	
21	37-3969	Balance weight	As reqd.	
22	37-3970	Balance weight	As reqd.	

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REF. 1 MASTER CYLINDER COMPLETE

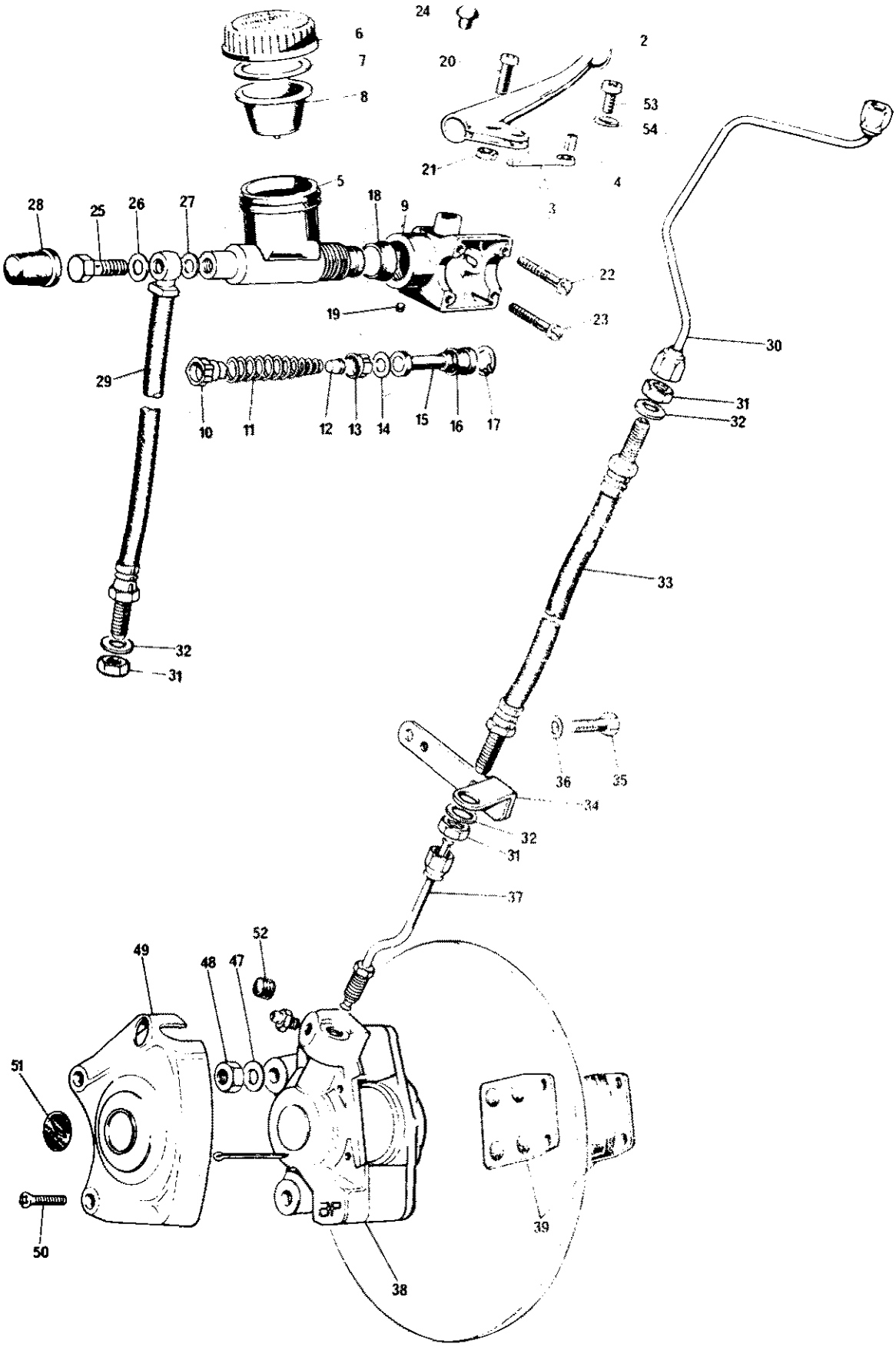

Fig. 23. FRONT BRAKE

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Ref. No.	Part No.	Makers Part No.	Description	Quantity	Remarks
1	60-4102	4222-979	MASTER CYLINDER	1	
2	60-4206	-	Brake lever assembly	1	
3	AP.LTD	3761-270	Piston	1	
4	AP.LTD	3528-441	Spiral pin	1	
5	99-2770	4221-072	Barrel and tank assembly	1	
6	60-4365	3847-240	Cap	1	
7	60-4328	-	Washer	1	
8	60-4366	3818-747	Diaphragm	1	
9	99-2753	3338-901	Switch housing	1	
10	99-2754	4312-318	Trap valve	1	
11	99-2755	3118-234	Spring	1	
12	99-2756	3675-216	Spring retainer	1	
13	99-2757	3842-424	Primary cup	1	
14	99-2758	106418	Piston washer	1	
15	99-2759	3261-542	Piston	1	
16	99-2760	3871-473	Secondary cup	1	
17	99-2761	K29103	Circlip	1	
18	99-2762	3811-420	Rubber boot	1	
19	99-2763	3476-209	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	AP40320	Banjo bolt	1	
26	60-4182	KL44516	Sealing washer	1	
27	60-4184	KL44518	Sealing washer	1	
28	60-4186	AP3187/810	Rubber boot	1	
29	60-4176	KL58505	Hose, master cylinder/top yoke	1	For high handlebar
29	60-4619	KL563	Hose, master cylinder/top yoke	1	For low handlebar
30	60-4179	ZT2071N	Pipe, top yoke/bottom yoke	1	
31	60-4180	K24103	Locknut	3	
32	70-2288	-	Washer	3	
33	60-4175	KL56612	Hose, bottom yoke/fork leg	1	
34	83-7064		Bracket - pipe support	1	
35	14-0103		Bolt	2	Bracket to fork leg and bridge piece
36	60-2427		Washer	2	
37	60-4178	ZTA2070N	Pipe, fork leg/caliper	1	
38	60-4101	4823-432	CALIPER	1	
39	99-2769	4741-570	Brake pad kit	2	
41	99-7006		Caliper seal kit	1	

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REF. 1 MASTER CYLINDER COMPLETE

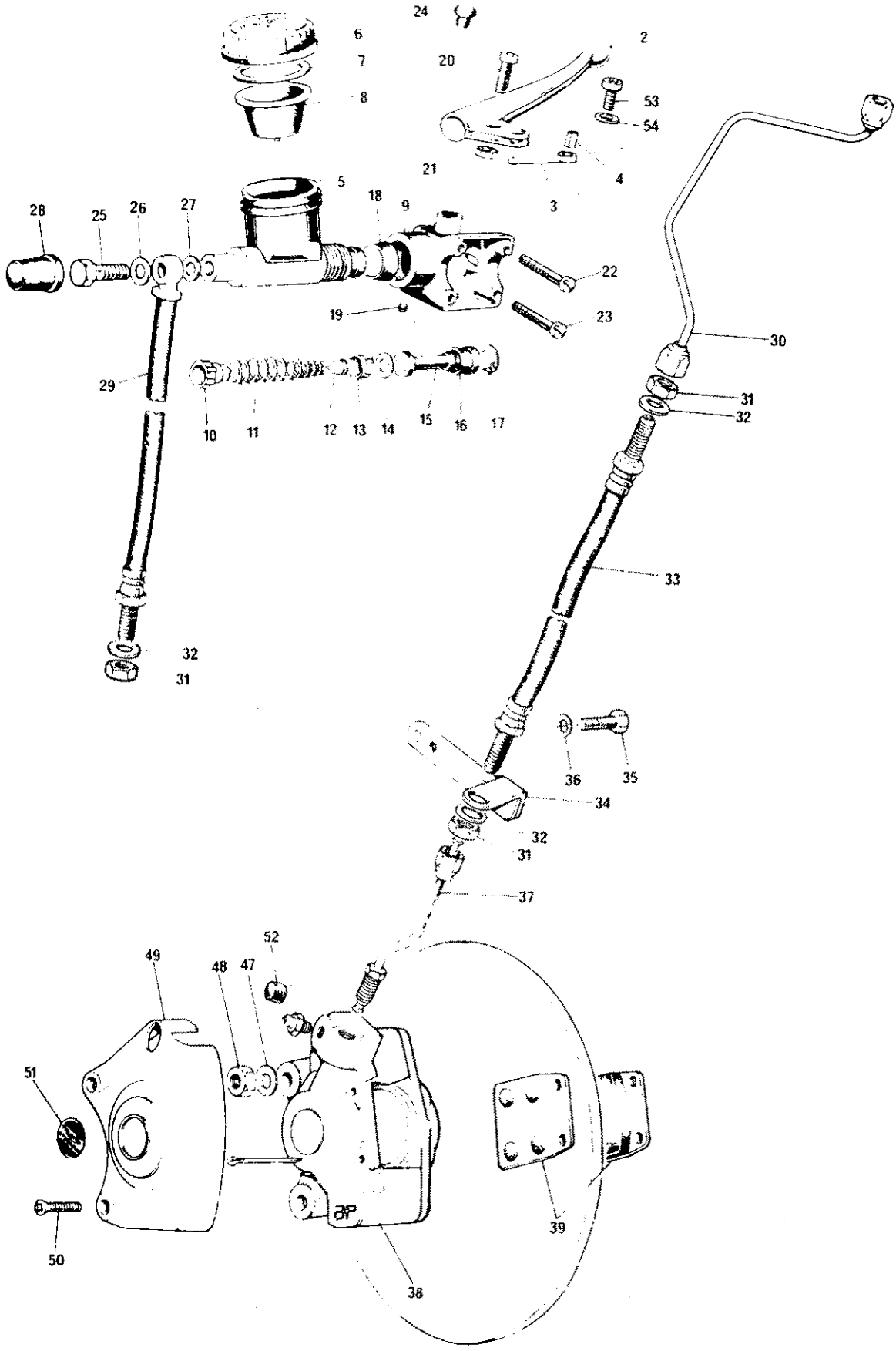

Fig. 23. FRONT BRAKE

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Ref. No.	Part No.	Makers Part No.	Description	Quantity	Remarks
47	60-2331	-	Washer	2	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	363-400	Cover, bleed nipple	1	Girling part
53	21-1998	-	Screw, stop switch to lever body	1	
54	21-7008	-	Washer, for screw	1	
	99-2768		Front master cyl. seal kit	1	

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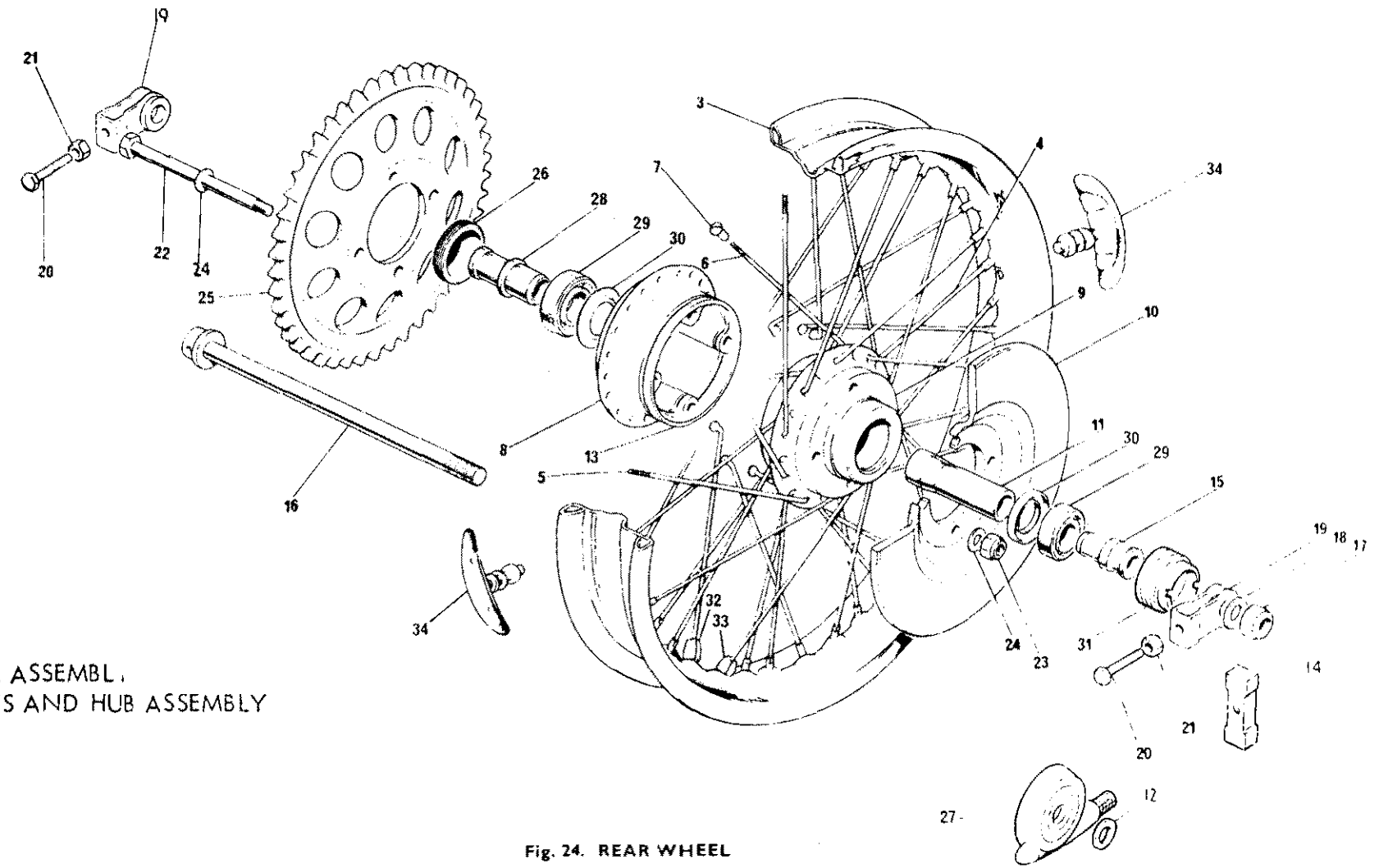

REF. 1 REAR WHEEL ASSEMBL.
REF. 2 RIM, SPOKES AND HUB ASSEMBLY

Fig. 24. REAR WHEEL

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REAR WHEEL

Ref. No.	Part No.	Description	Quantity	Remarks
1	37-7035	REAR WHEEL ASSEMBLY	1	
2	37-7017	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		
13	37-7010	Centre 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 ($\frac{1}{4}$" UNF x $1\frac{1}{2}$" UH)	2	
21	14.0301	Nut - chain adjuster screw ($\frac{1}{4}$" UNF)	2	
22	21-7005	Bolt - disc to sprocket	4	
23	14-1903	Nut - disc/sprocket bolt (3/8" UNF self locking)	4	
24	70-8770	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	57-1070	Bearing - left and right	2	
30	37-4135	Grease retainer	2	
31	37-7004	Driving ring - speedometer unit	1	
32	37-3969	Balance weight - short	As required	
33	37-3970	Balance weight - long	As required	
34	37-3468	Security bolt	2	
	37-7044	Sprocket - rear wheel 45T	As required - spares only	

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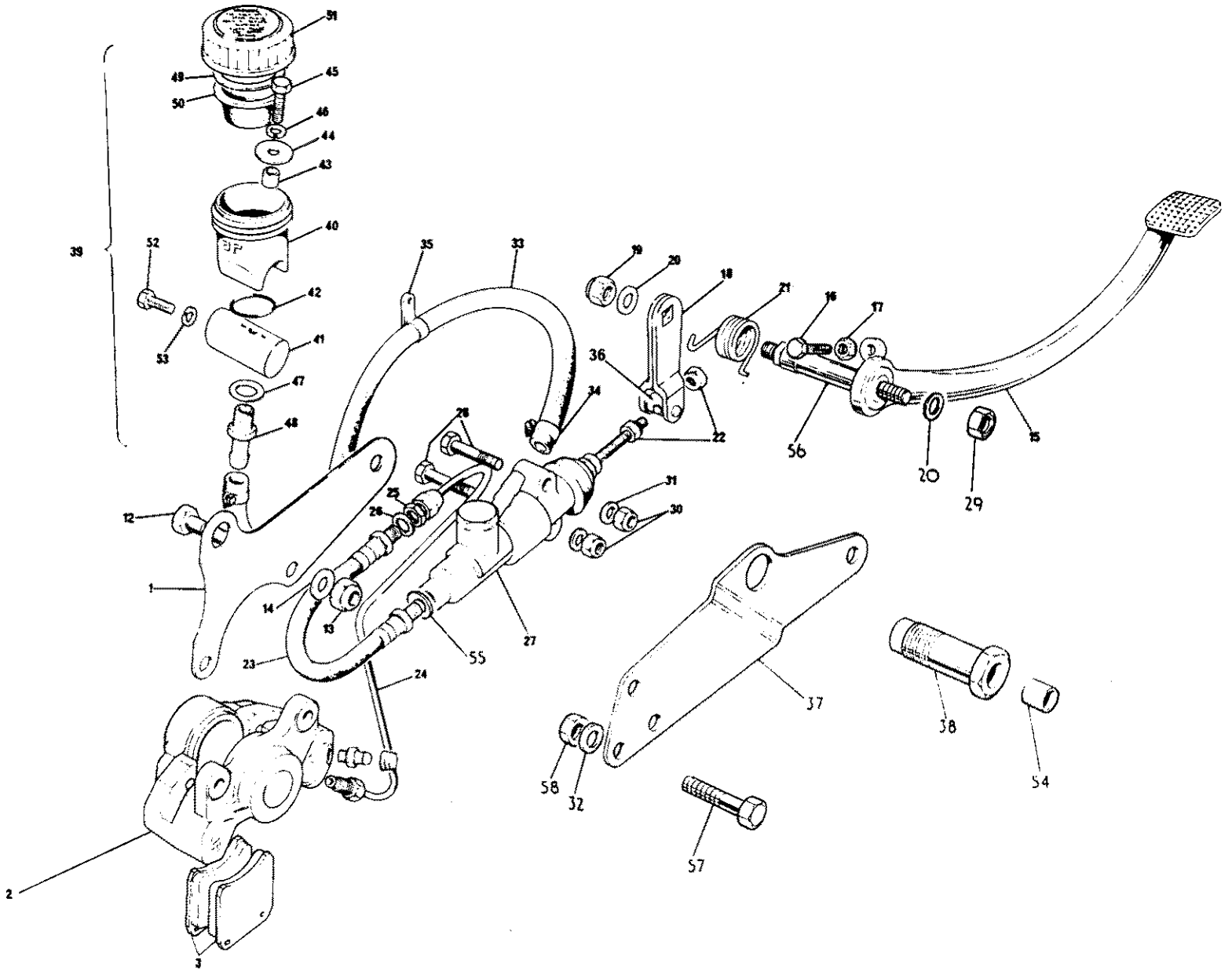

Fig. 25. REAR BRAKE

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REAR BRAKE

Ref. No.	Part No.	Makers Part No.	Description	Quantity	Remarks
1	37-7020	-	Rear caliper mounting plate	1	
2	60-4101	4823-432	CALIPER	1	
3	99-2769	4741-570	Brake pad kit	1	
6	9912765	3275-428	Piston	2	
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	$\frac{1}{4}$" UNF x 3/8" U.H.
17	14-0301	-	Nut, adjuster screw	1	$\frac{1}{4}$" 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	ZTA2281	Pipe, hose to caliper	1	
25	60-4180	K24103	Nut, hose to bracket	1	
26	70-2288	K19407	Serrated washer, hose to bracket	1	
27	60-4401	4211-127	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	9206-2050	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 assembly with bushes	1	
39	83-5465	-	Reservoir assembly	1	
40	60-4397	3251/796	Body, reservoir	1	
	99-7006		Caliper seal kit		

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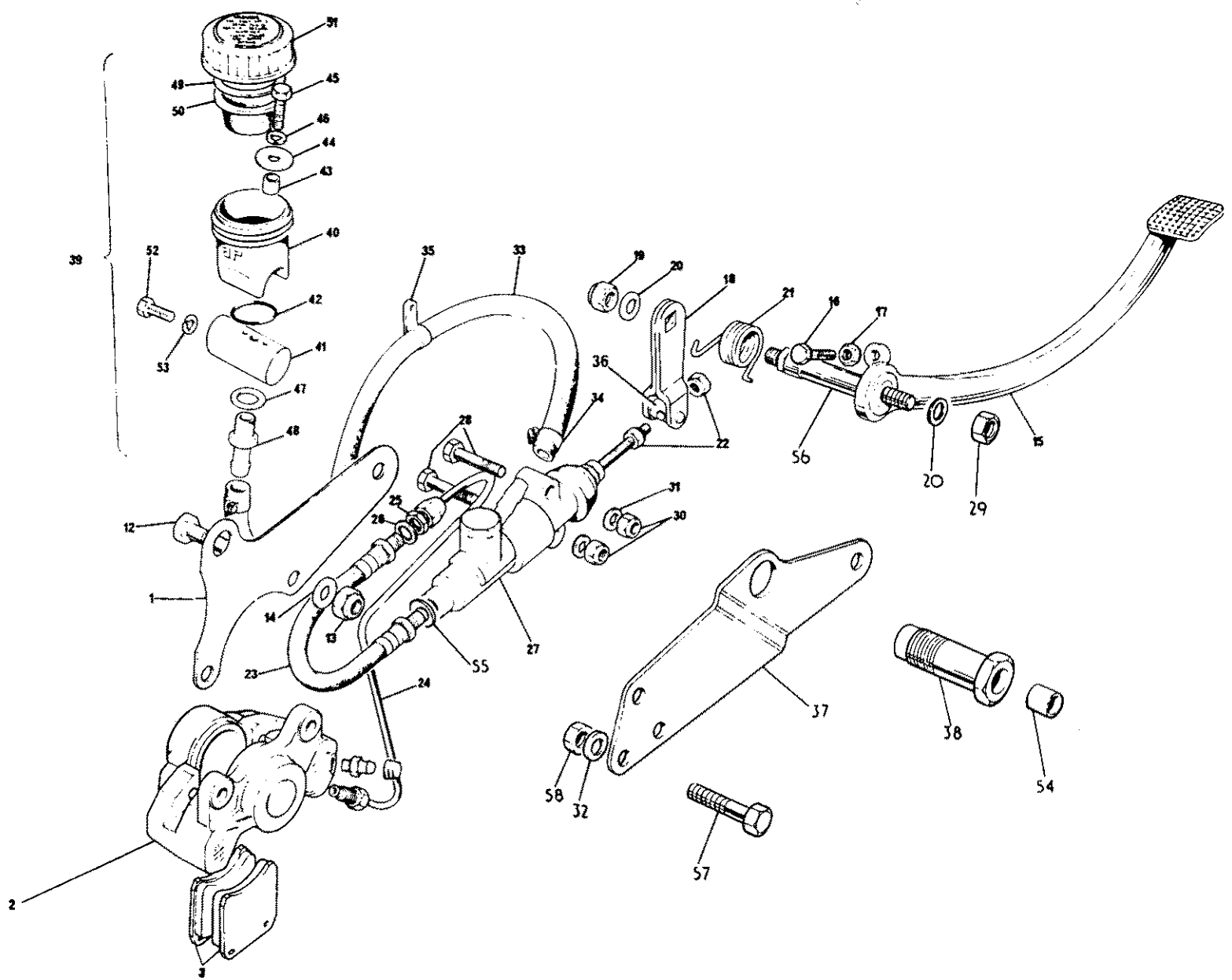

Fig. 25. REAR BRAKE

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Ref. No.	Part No.	Makers Part No.	Description	Quantity	Remarks
41	83-7056	-	Mounting, reservoir	1	
42	60-4374	3855/814	'O' ring	1	
43	60-4398	3517/221	Distance piece	1	
44	60-4399	3512/305	Washer	1	
45	14-0102	-	Bolt, body to mounting	1	$\frac{1}{4}$" 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	3818-747	Diaphragm	1	
51	60-4365	3847-240	Filler cap	1	
52	14-0101	-	Bolt, mounting to coil tray	1	$\frac{1}{4}$" 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		Rear master cyl. seal kit	1	

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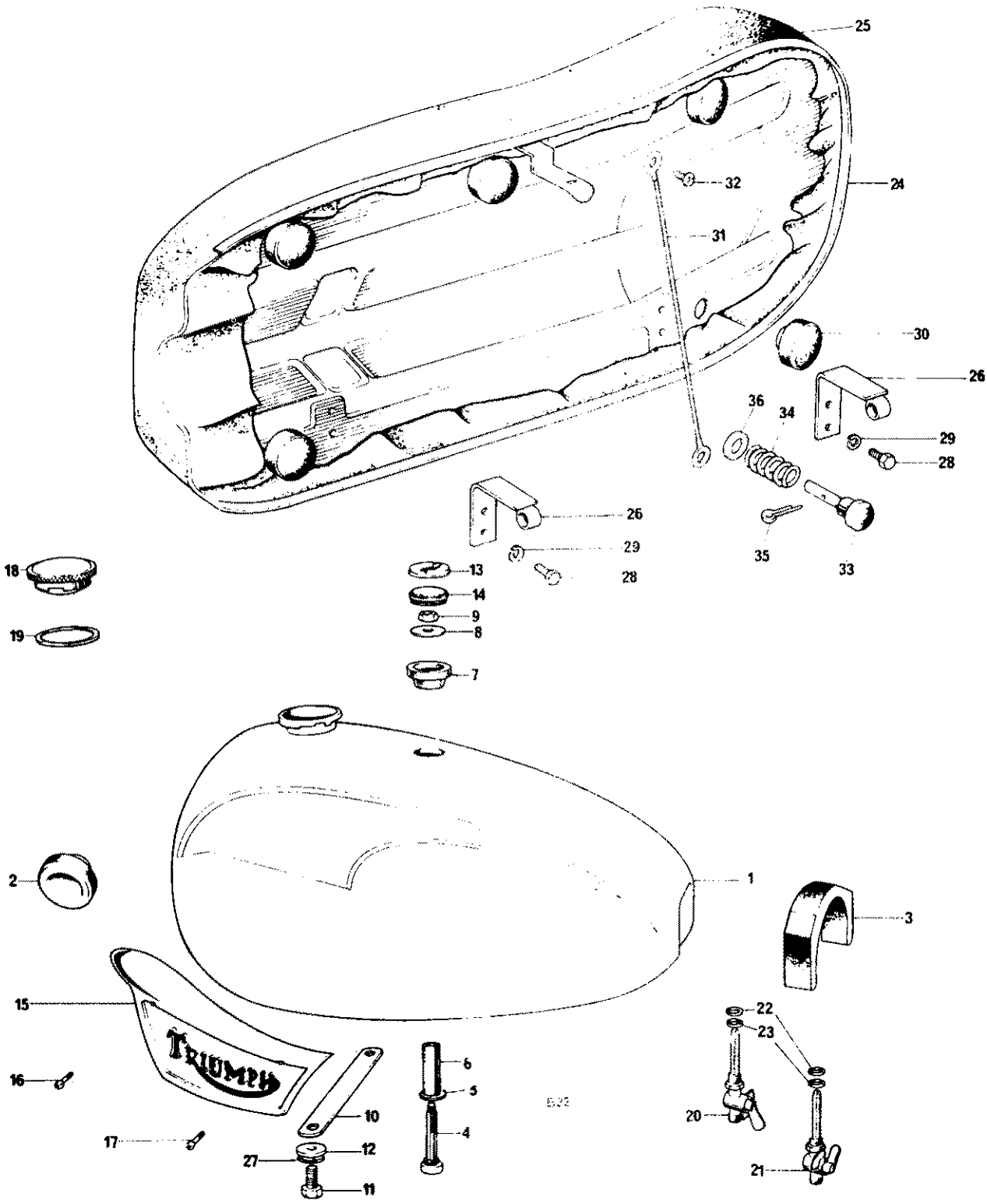

Fig. 25 GAS TANKS AND TWINSEAT

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GAS TANK AND TWINSEAT

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	" " " " Astral blue & silver	1	T140V
1	83-7113	" " " " Tawny brown & gold	1	T140V
1	83-7114	" " " " Candy apple red & white	1	TR7RV
1	83-7115	" " (4.0 Imp gall) Tawny brown & gold	1	T140V
1	83-7116	" " " " Aquamarine & silver	1	T140V
1	83-7117	" " " " Candy apple red & silver	1	TR7RV
1	83-7118	" " " " Burnished gold & silver	1	TR7RV
2	83-4931	Steady rubber	2	
3	83-4932	Mounting rubber	2	
4	83-4930	Centre 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	
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 motif - right	1	
15	82-9701	Tank motif - left	1	
16	83-1339	Screw - front - tank motif	2	
17	82-7888	Screw - rear - tank motif	2	
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 assy (Black)	1	use with 3.6 gall tank
	83-7128	" " "	1	" 4.0 " "
	83-7129	" " (Brown)	1	use with 3.6 gall tank
	83-7130	" " "	1	" 4.0 " "
25	83-7131	Cover twinseat (Black)	1	use with 3.6 gall tank
	83-7132	" " "	1	" 4.0 " "
	83-7133	" " (Brown)	1	use with 3.6 gall tank
	83-7134	" " "	1	" 4.0 " "
26	83-4782	Hinge - front and rear	2	
27	60-2428	Spring washer	2	
28	14-0101	Bolt } Hinge attachment	4	
29	60-2417	Washer } Hinge attachment	4	
30	82-9093	Rubber buffer	4	
31	60-2087	Check wire	1	
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 $\frac{1}{2}$ in.)	1	
36	71-3749	Washer	1	
16	21-2064	Screw - tank badge	4	For 4 gall tank only
15	60-2569	Tank badge	2	" " " " "
	83-4355	Knee grip - left	1	" " " " "
	83-4356	Knee grip - right	1	" " " " "
10	83-4118	Tie strap	1	" " " " "

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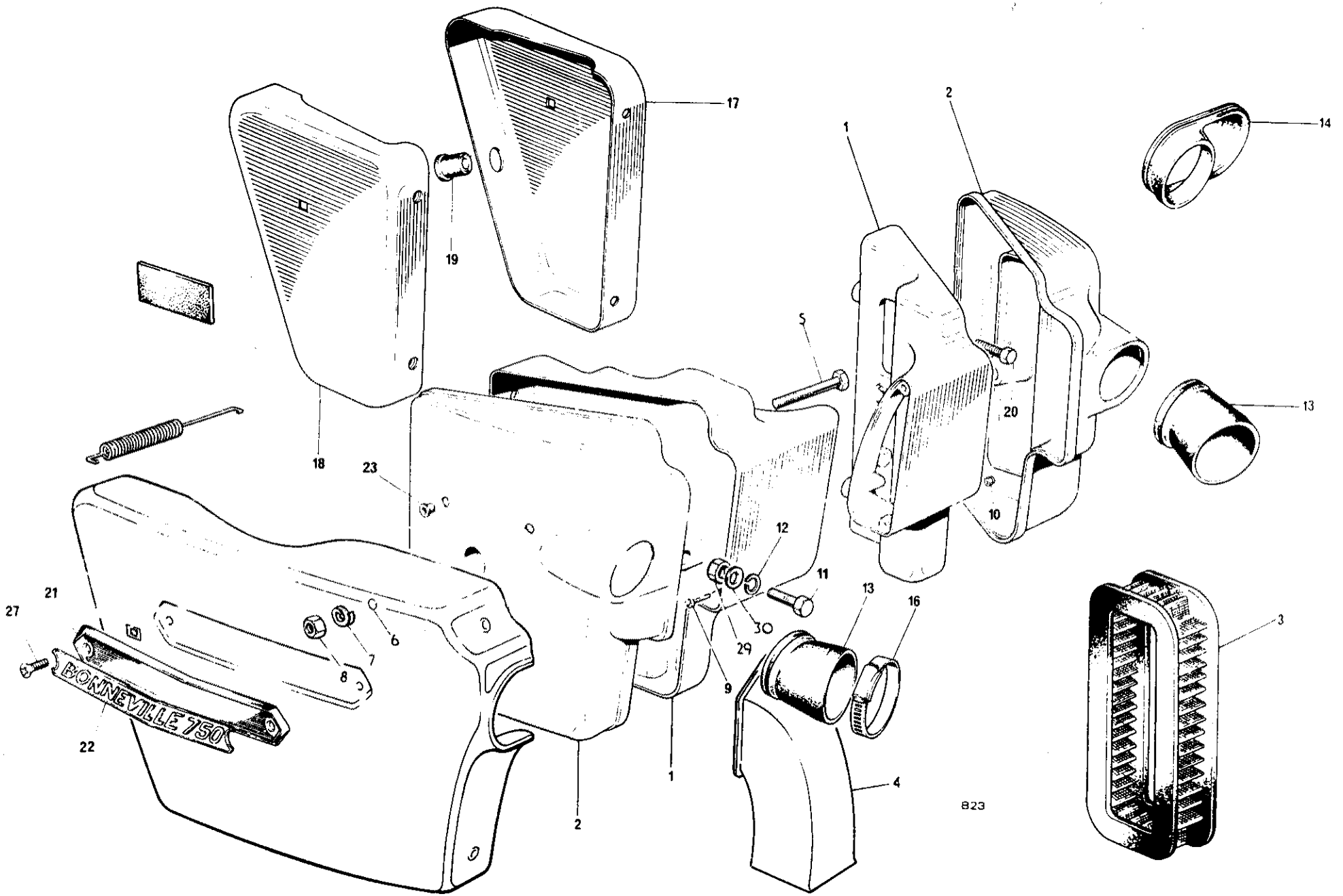

Fig. 26 AIR CLEANERS AND SIDE PANELS

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AIR CLEANER AND SIDE PANELS

Ref. No.	Part No.	Description	Quantity	Remarks
1	83-4606	Body - left	1	Twin Carb
1	83-4607	Body - right	1	T140V
2	83-7067	Cover - left	1	
2	83-7068	Cover - right	1	
1	83-4845	Body - left	1	Single Carb
1	83-4609	Body - right	1	TR7RV
2	83-4807	Cover - left	1	
2	83-4808	Cover - right	1	
3	60-4265	Element	2	
4	83-5448	Air intake tube, left	1	
4	83-5449	Air intake tube, right	1	
5	14-0221	Bolt	2	
6	82-8245	Retainer	2	
7	60-2438	Washer	2	All models
8	14-0302	Nut	2	
9	60-3539	Screw left assy to right assy	2	
10	21-0501	Nut	2	
13	71-7019	Connector pipe Air filter to engine	2	T140V
14	83-5161	Connector pipe	1	TR7RV
15	71-1860	Carburetor adaptor	1	TR7RV
16	60-3975	Clip	1	TR7RV
16	71-7018	Clip	2	T140V
17	83-4854	Side panel - left	1	
18	83-4803	Side panel - right	1	
19	82-6673	Panel grommet	2	
20	14-0102	Bolt	4	
21	60-4150	Name plate	2	
22	60-7055	Motif "Tiger 750"	2	TR7RV
22	60-7054	Motif "Bonneville 750"	2	T140V
23	60-4153	Rubber bush	4	
26	21-7020	Spire SNP.0164	4	
27	82-4129	Screw	4	
29	14-1302	Nut	2	
30	60-2321	Plain washer	2	
31	14-0218	Bolt		
	82-7380	Rubber pad - under styling panel	2	
	83-7070	Spring - styling panel fixing	4	
	83-7097	Styling side panel L.H. Black		T140V
	83-7098	" " " R.H. "		"
	83-7099	" " " L.H. Tawny brown		"
	83-7100	" " " R.H. " "		"
	83-7101	" " " L.H. Aquamarine		"
	83-7102	" " " R.H. "		"
	83-7103	" " " L.H. Black		TR7RV
	83-7104	" " " R.H. "		"
	83-7105	" " " L.H. Candy apple & silver		"
	83-7106	" " " R.H. " " "		"
	83-7107	" " " L.H. Burnished gold & silver		"
	83-7108	" " " R.H. " " "		"

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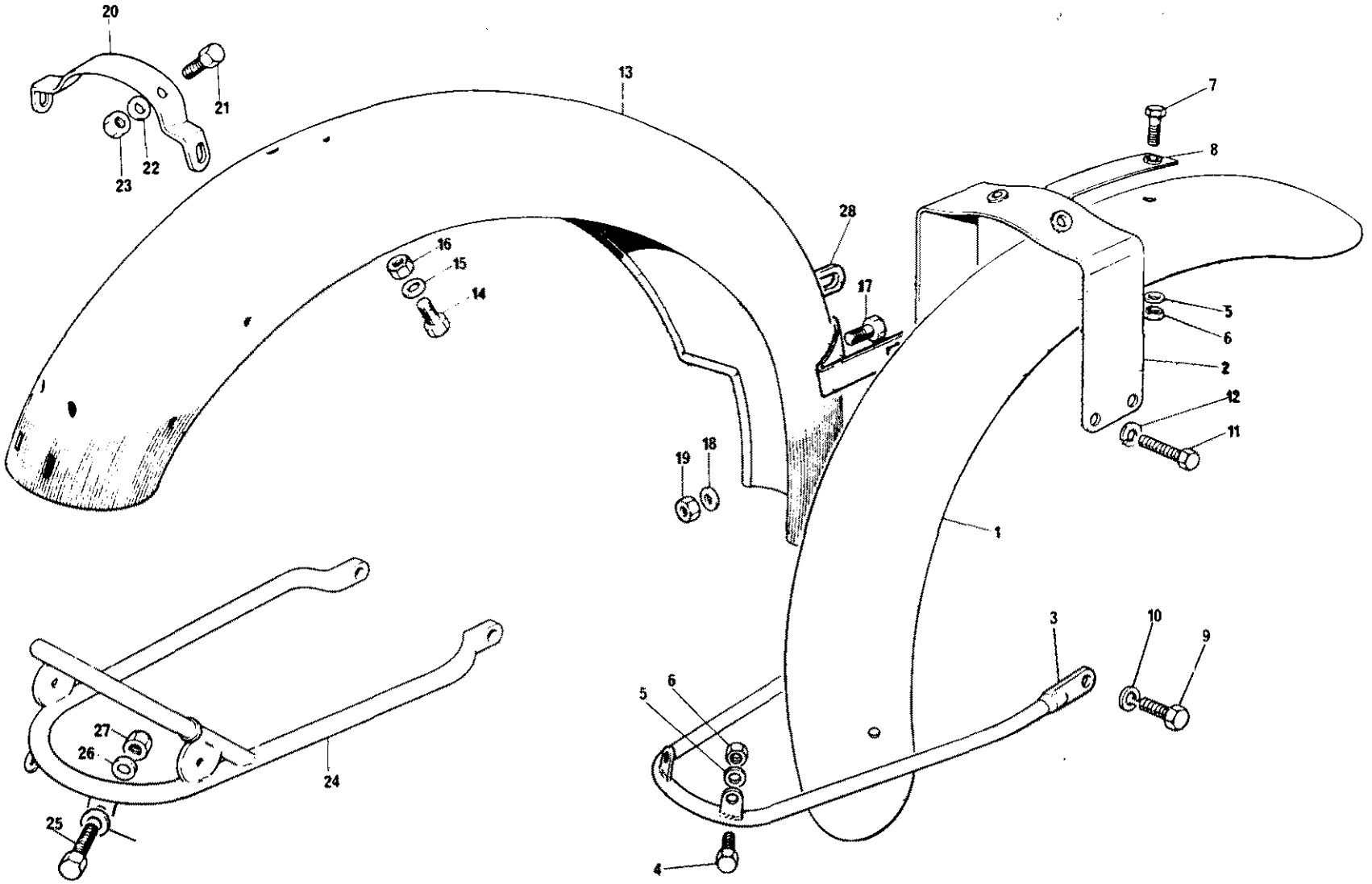

Fig. 27. FENDERS AND TAIL LAMP

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Ref. No.	Part No.	Description	Quantity	Remarks
1	97-7003	Front fender chrome	1	
1	97-7012	" " Tawny brown & gold	1	
1	97-7013	" " Aquamarine & silver	1	
1	97-7014	" " Candy apple red & silver	1	
1	97-7015	" " 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	1	
13	83-7131	Rear fender chrome	1	
13	83-7123	" " Tawny brown	1	
13	83-7124	" " Aquamarine & silver	1	
13	83-7125	" " Candy apple red & silver	1	
13	83-7125	" " Burnished gold & silver	1	
14	14-0101	Bolt	2	
15	60-2329	Washer — Fender top fixing	2	
16	14-1301	Nut	2	
17	14-0114	Bolt	2	
18	60-2330	Washer — Fender front fixing	2	
19	14-1302	Nut	2	
20	83-4600	Bridge - rear fender	1	
21	14-0102	Bolt	2	
22	60-2329	Washer — Bridge to fender	2	
23	14-1301	Nut	2	
24	83-5145	Grab rail	1	
25	14-0102	Bolt	2	
26	60-2329	Washer — Grab rail to fender	2	
27	14-1301	Nut	2	
28	83-2796	Lower front bracket	1	

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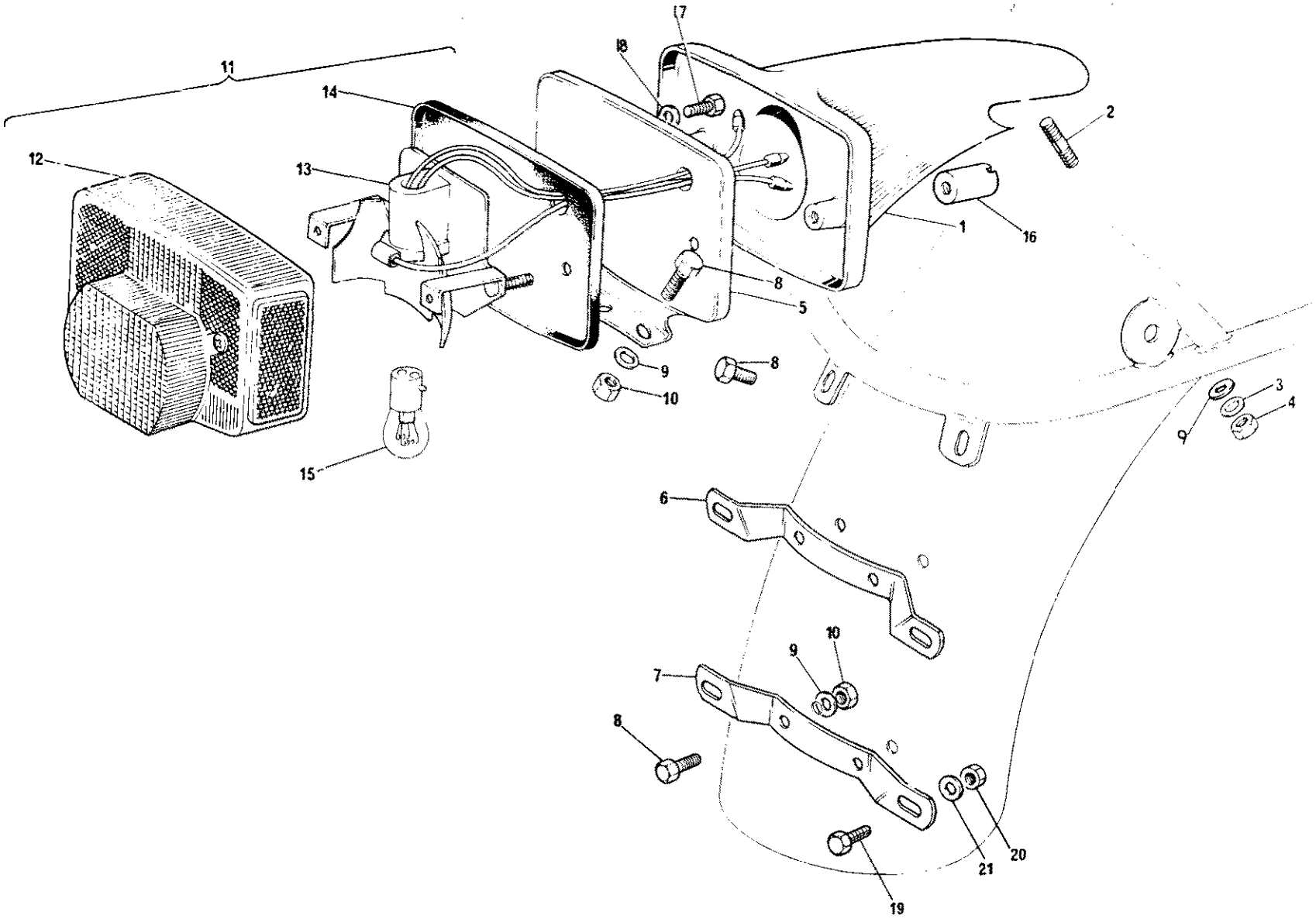

Fig. 28. **TAIL LAMP AND SUPPORT**

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TAIL LAMP AND SUPPORT

Ref. No.	Part No.	Makers Part No.	Description	Quantity	Remarks
1	83-7094	-	Tail lamp carrier	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	06-8029	56515	STOP TAIL LAMP	1	
12	06-8058	54585314	Lens	1	
13	Lucas	54584931	Base assembly	1	
14	Lucas	54583924	Gasket	1	
15	99-0542	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 illustrated
	60-4103	-	Grommet, flasher wire	1	
	60-3748	-	Decal '5 speed'	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	

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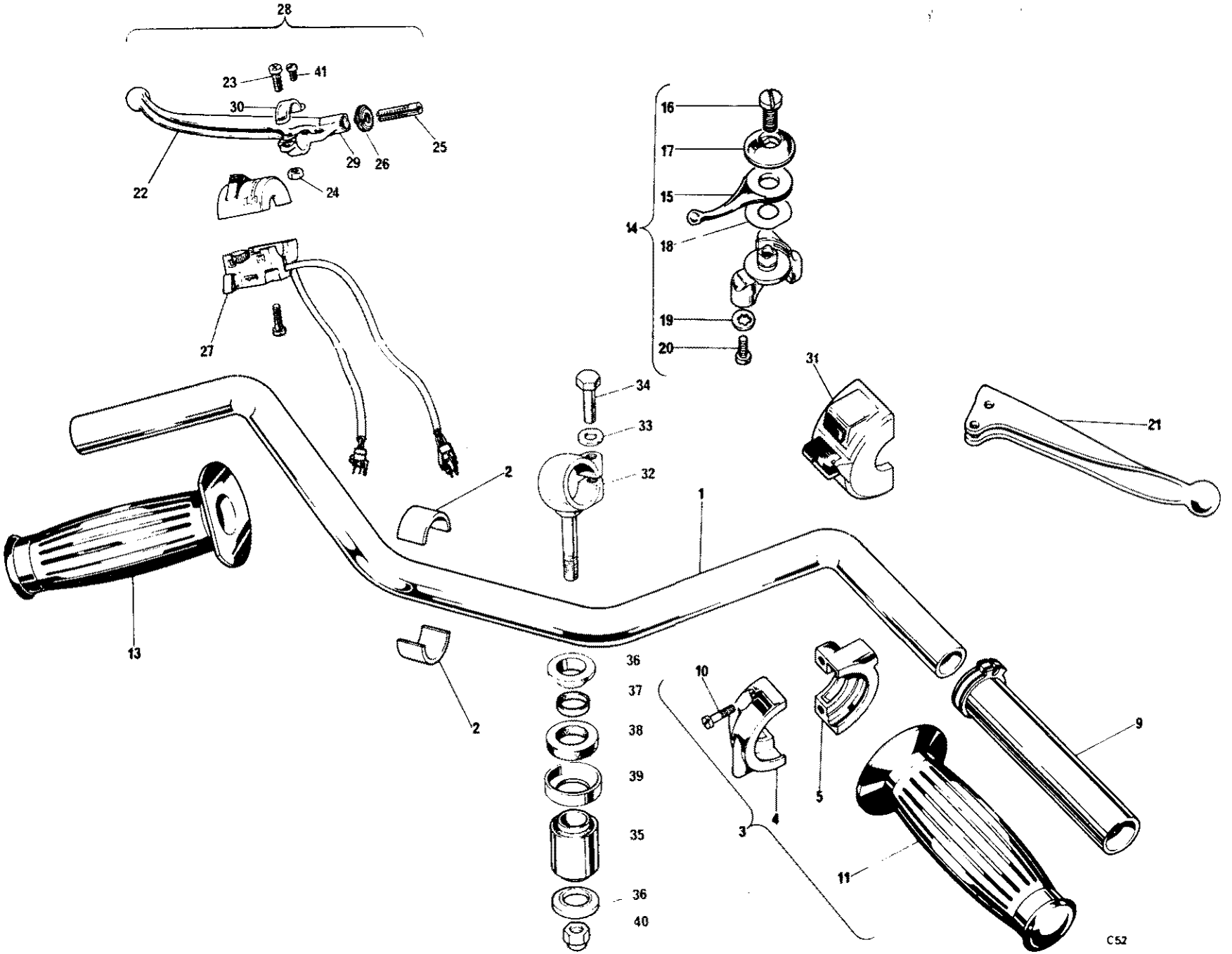

Fig. 29. HANDLEBAR AND CONTROL LEVERS

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HANDLEBARS AND CONTROL LEVERS

Ref. No.	Part No.	Makers Part No.	Description	Quantity	Remarks
1	97-7001	-	Handlebar	1	USA specification
1	97-7002	-	Handlebar	1	UK and General
2	97-1425	-	Sleeve, handlebar mounting	4	
3	60-7014	364/18	TWIST GRIP	1	
4	Amal	16/328	Body, top half	1	
5	Amal	16/329	Body, bottom half	1	
9	Amal	-	Rotor	1	
10	99-0225	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	Amal	12/556	Lever	1	
16	Amal	12/607	Bolt	1	
17	Amal	12/606	Cap	1	
18	Amal	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	-	Lockring	1	
27	19-1965	30447	HANDLEBAR SWITCH, LEFT HAND	1	
28	60-7021	-	CLUTCH LEVER ASSEMBLY COMPLETE	1	
29	60-7022	-	Handlebar bracket, clutch lever	1	
30	60-7024	-	Handlebar clamp for bracket	1	
31	19-1961	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	-	Metalastik 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	

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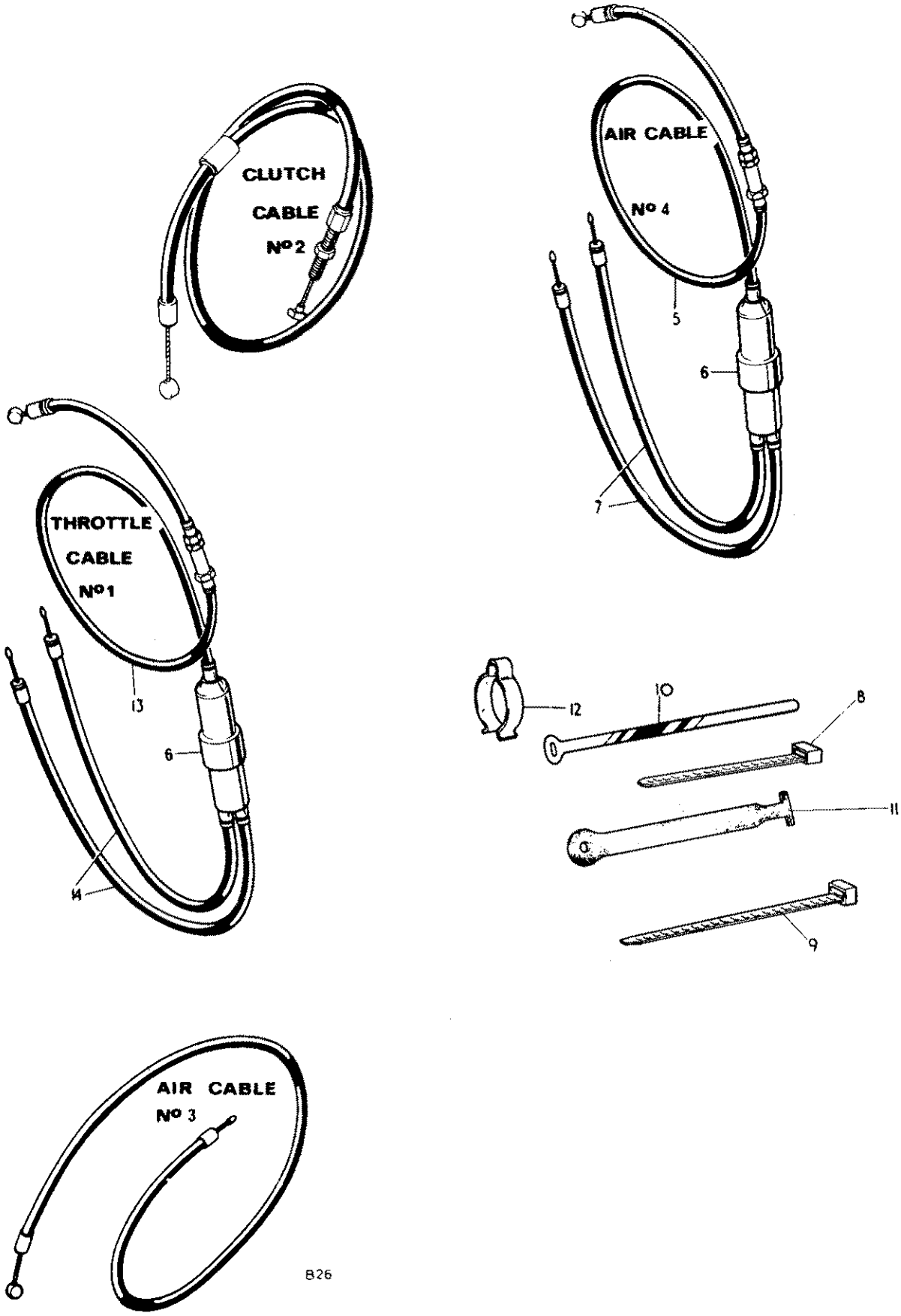

Fig. 30. CONTROL CABLES

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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	60-0685	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 carburettor)	2 T140V	LOW BAR

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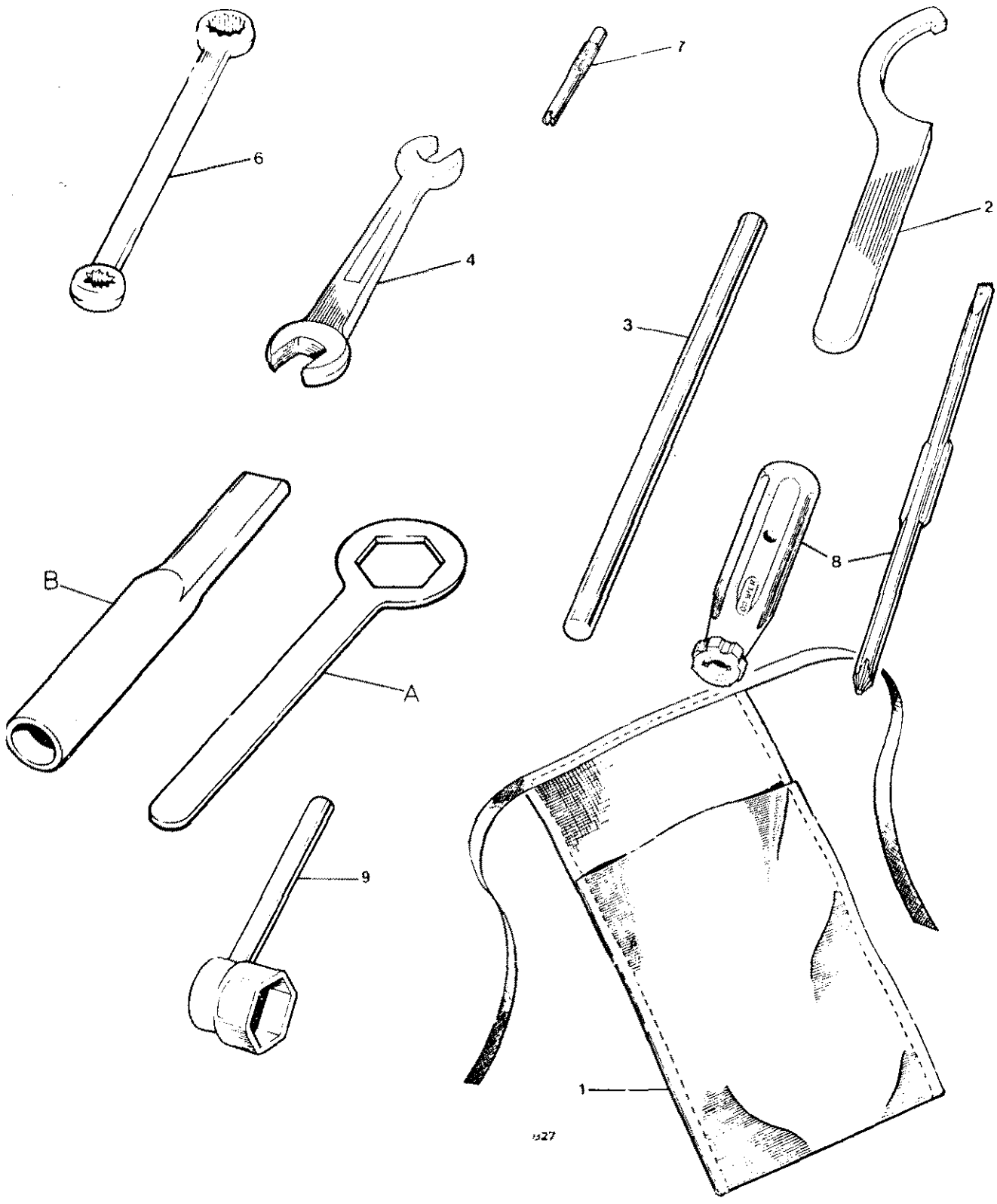

F.g. 31. TOOLKIT

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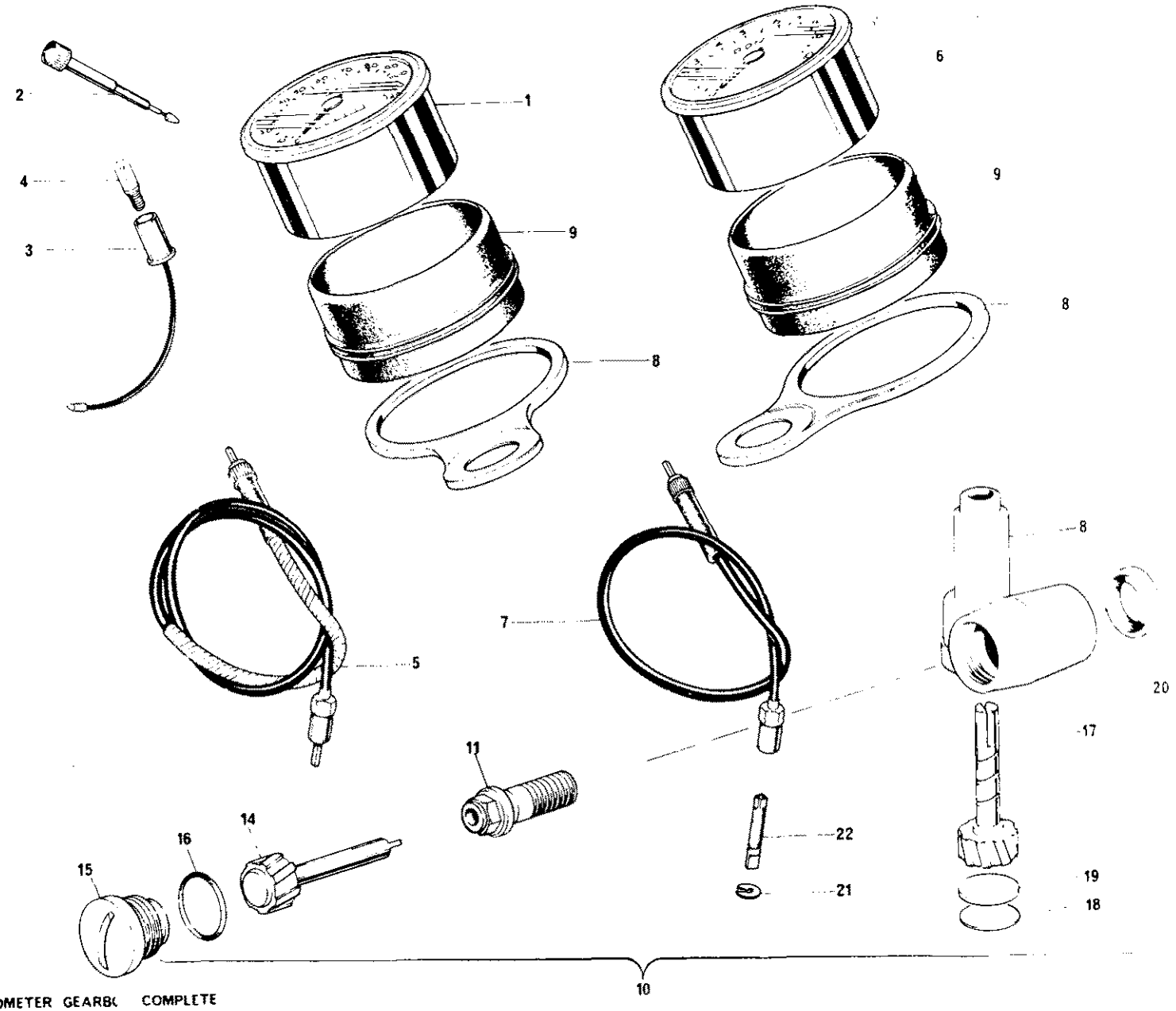

10 TACHOMETER GEARBOX COMPLETE

Fig. 32. SPEEDOMETER AND TACHOMETER

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SPEEDOMETER AND TACHOMETER

Ref. No.	Part No.	Makers Part No.	Description	Quantity	Remarks
1	06-5638	SSM4003/00	Speedometer head - MPH	1	
1	60-7027	SSM4003/01	Speedometer head - KPH	1	
2	60-7011	41-118-126-47	Trip control	1	
3	Lucas	51271406	Bulb holder	1	
4	Lucas	643	Bulb	1	
5	60-7012	DF9110/00	Speedometer cable	1	
6	60-7010	RSM3006/00	Tachometer head	1	
7	60-7013	DF9111/03	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 Assy	1	
12	70-5156	-	Bush	1	Reference 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	99-0173	31-371-398	Spade	1	
	60-2391	-	Washer	4	For speedo and Tacho Mounting not illustrated
	21-0778	-	Nut	4	

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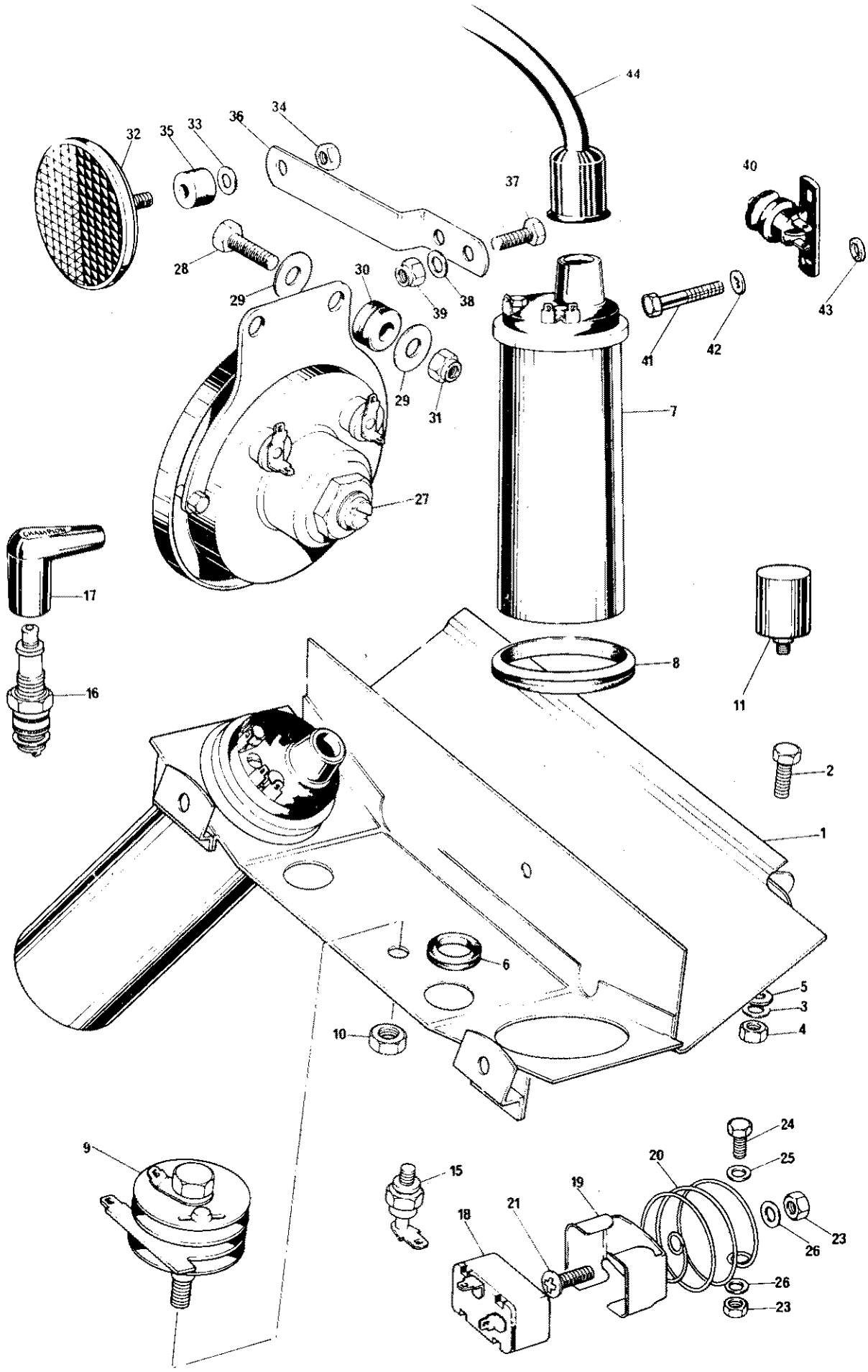

Fig. 33. COIL, CAPACITOR PACK, FLASHER UNIT, ZENER DIODE AND HORN

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Ref. No.	NVT Part No.	Makers Part No.	Description	Quantity	Remarks
1	83-7041	-	Coil and tool tray assembly	1	
2	14-0102	-	Bolt	1	Coil and 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	60-2203	45223	Ignition coil (17-M-12)	2	
8	82-9561	-	Coil grommet	2	
9	60-0786	49072	Rectifier	1	
10	82-5338	-	Nut	1	
11	60-7018	54420128	Condenser C/W Nut & insulating washer	2	
15	60-0987	49345	Zener diode	1	
16	60-0911	N3	Sparking plug	2	CHAMPION
17	60-0262	WC200	Plug cover	2	CHAMPION
17	60-3891	MW1/10/51/10	Plug cover, suppressed (EUROPE)	2	MERIT-WORKE
18	99-1201	35048	Flasher unit	1	
19	99-1204	54385091	Clip, flasher unit	1	
20	60-3614	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	99-1245	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	99-1161	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	99-1028	34815A	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 illustrated
44	60-3923		H.T. Cable	2	

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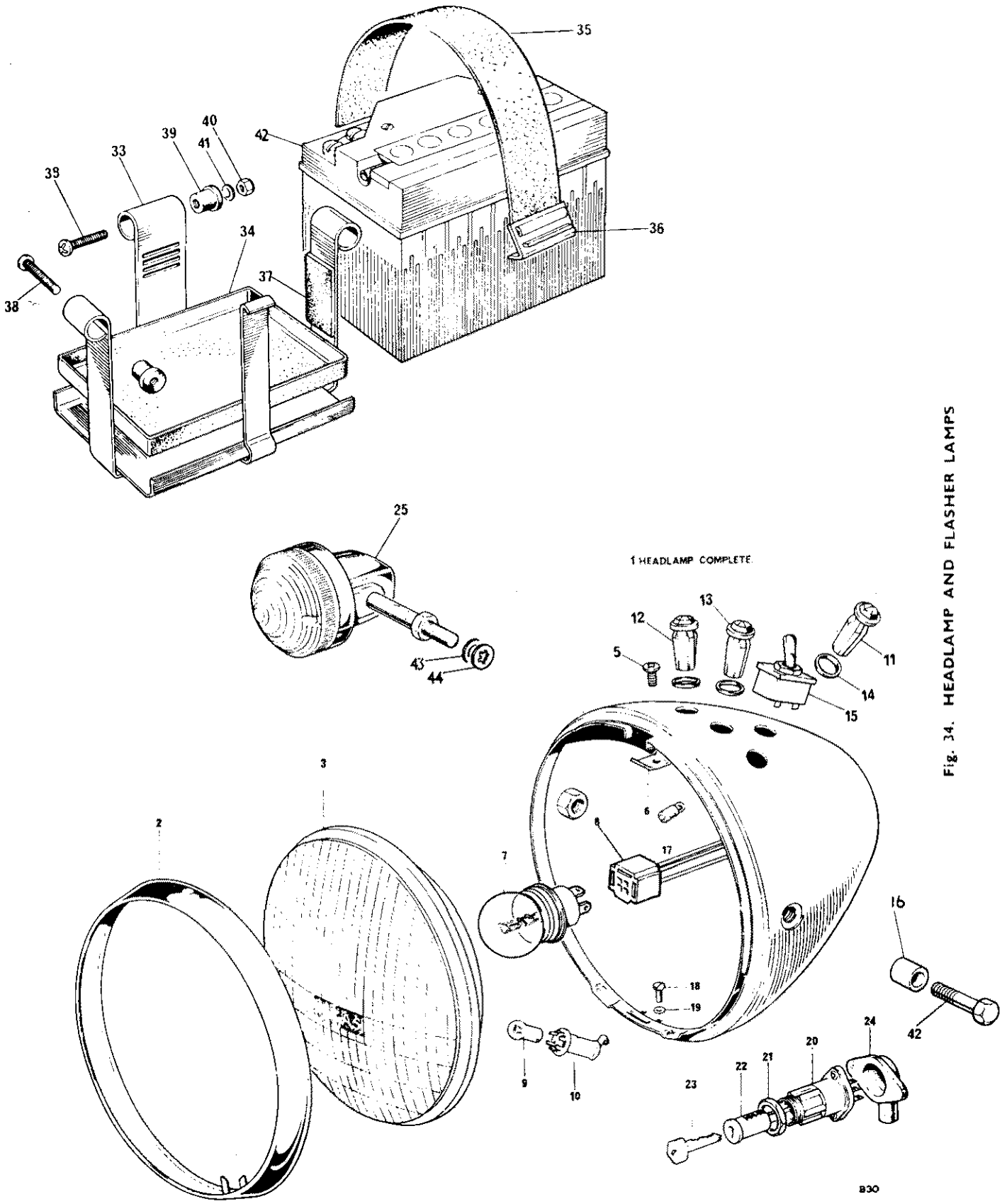

Fig. 34. HEADLAMP AND FLASHER LAMPS

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Ref. No.	Part No.	Makers Part No.	Description	Quantity	Remarks
1	99-7004		Headlamp complete	1	
1	99-7005		" "	1	
2	99-0692	553248	Headlamp rim	1	
3	99-7006	54511815	Light unit	1	Left hand dip
3	99-7007	54522916	Light unit	1	Right hand dip
4	99-0683	504665	Fixing wire	6	
5	Lucas	144921	Screw	1	
6	Lucas	534296	Plate	1	
7	06-8019	410	Main bulb 45/40 w	1	
8	99-7008	54950493	Bulbholder	1	
9	99-0548	989	Pilot bulb	1	
10	99-1213	54573590	Pilot bulbholder	1	
11	99-1208	54363454	Warning light, red	1	
12	99-1209	54363455	Warning light, green	1	
13	99-1207	54363453	Warning light, amber	1	
14	99-1210	54140331	Sealing washer	3	
15	99-1251	34419	Light switch	1	
16	97-4125	-	Distance piece, headlamp bolt	2	
17	99-0537	281	Bulb, warning light	3	
18	99-1223	54115106	Screw, headlamp fixing	2	
19	99-1224	143086	Washer, headlamp fixing	2	
20	60-0989	54531899	IGNITION SWITCH	1	
21	Lucas	54130041	Nut	1	
22	82-6981	-	IGNITION LOCK WITH KEY	1	
23	60-0622	-	Ignition key	1	state serial number
24	97-2262	-	Cover, ignition switch	1	
25	60-4104		FLASHER LAMP FRONT	2	
25	60-4105		FLASHER LAMP REAR	2	
26	19-1191	54581638	Lens	1	
30	99-1192	382	Bulb	1	
31	99-1193	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	Battery carrier mounting
39	82-6039	-	Rubber bush	3	Battery carrier mounting
40	14-1301	-	Nut	1	Battery carrier mounting
41	60-2329	-	Plain washer	1	Battery carrier mounting
42			Bolt Headlamp mounting	2	

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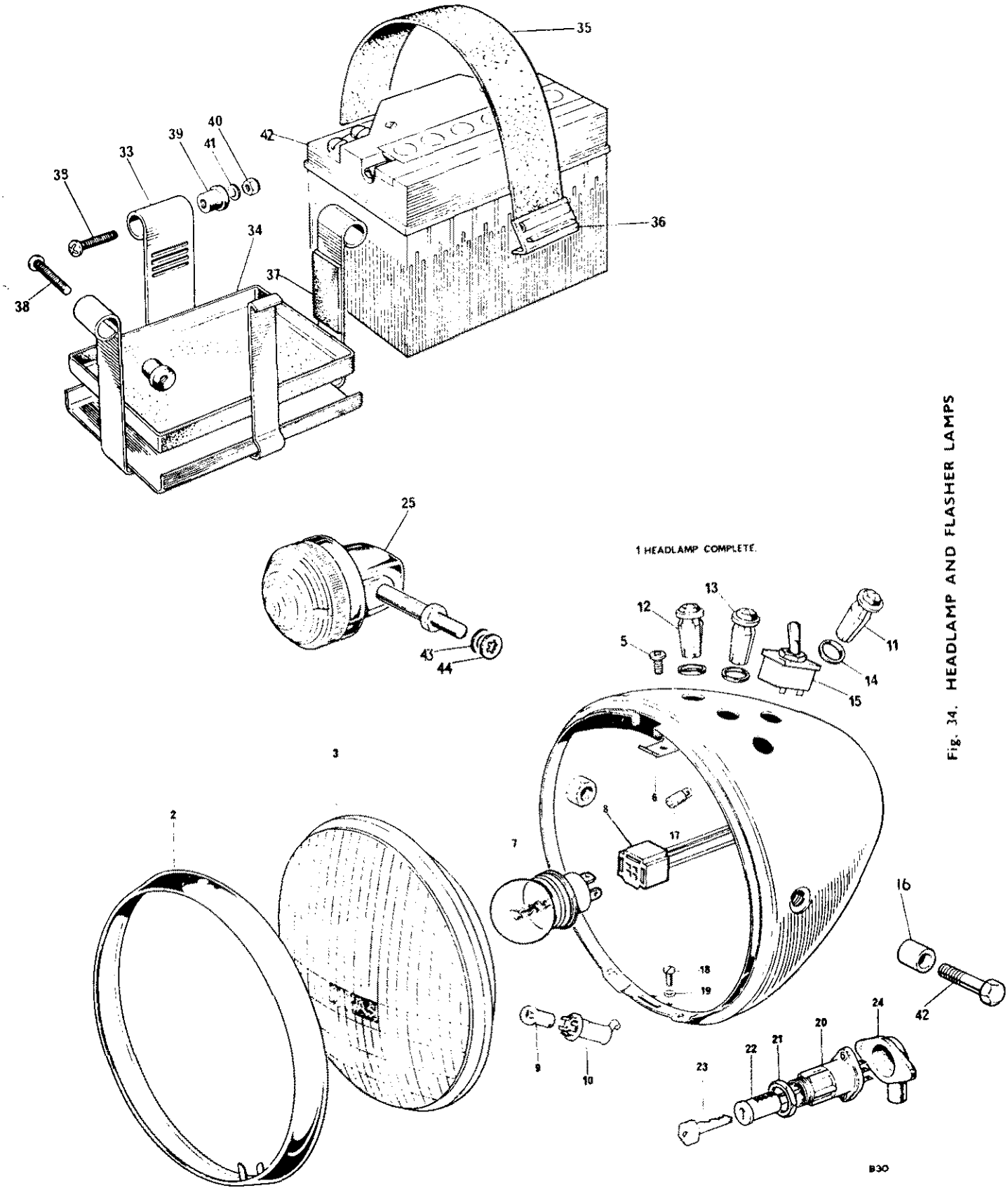

Fig. 34. HEADLAMP AND FLASHER LAMPS

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Ref. No.	Part No.	Makers Part No.	Description	Quantity	Remarks
42	99-0719	54027029	Battery	1	
43	60-2332	-	Plain washer	6	
44	37-2331	-	Serrated washer	6	Flasher lamp
45	14-0404	-	Nut	6	stanchion
	19-1962	54962258A	Main Wiring harness	1	Not illustrated
	60-7004	-	Decal, warning lights	1	Not illustrated
	60-7005	-	Decal, light switch	1	Not illustrated
	60-7003	-	Decal, ignition switch	1	Not illustrated
	60-7079		Diode & lead assy.	1	Engine start/ Lights on

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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	½"	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	"	¼" UNF	13/16"	3/8"	0.375"
14-0101	"	¼" UNF	½"		0.438"
14-0102	"	¼" UNF	5/8"		0.438"
14-0103	"	¼" UNF	¾"		0.438"
14-0113	"	5/16" UNF	5/8"		0.500"
14-0114	"	5/16" UNF	¾"		0.500"
14-0115	"	5/16" UNF	7/8"		0.500"
14-0128	"	3/8" UNF	1"		0.563"
14-0208	"	¼" UNF	2¼"	¾"	0.438"
14-0216	"	5/16" UNF	1 1/8"	7/8"	0.500"
14-0217	"	5/16" UNF	1¼"	7/8"	0.500"
14-0219	"	5/16" UNF	1½"	7/8"	0.500"
14-0220	"	5/16" UNF	1¾"	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" JNF	1¾"	1"	0.563"
14-0236	"	3/8" UNF	2¼"	1"	0.563"
14-0239	"	3/8" UNF	3"	1"	0.563"
14-0240	"	3/8" UNF	3¼"	1"	0.563"
14-0242	"	3/8" UNF	4"	1"	0.563"
14-0251	"	7/16" UNF	2¾"	1¼"	0.625"
14-6102	"	¼" 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	¼" UNC	1 1/8"	Cross recess
21-1917	Cheese head	"	¼" UNC	2 5/8"	Cross recess
21-1918	Cheese head	"	¼" UNC	2 3/8"	Cross recess
21-1920	Hex. head	"	¼" UNC	21/64"	
21-1929	Countersunk (82")	"	¼" UNC	17/32"	Slot
21-2079	Cheese head	"	No.10 UNF	½"	Pozidrive
14-0604	Cheese head	"	¼" UNF	½"	Cross recess
14-6505	Countersunk (82")	"	¼" UNC	7/8"	Cross recess
14-6607	Cheese head	"	¼" UNC	7/8"	Cross recess
14-6608	Cheese head	"	¼" UNC	1"	Cross recess
14-6609	Cheese head	"	¼" UNC	1¼"	Cross recess
14-7019	Socket head	"	5/16" UNC	7/8"	Hex. socket
14-7024	Socket head	"	5/16" UNC	2"	Hex. socket

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NUTS

Part No.	Material Steel	Thd. dia.	Hexagon A.F.	Thickness	Remarks
21-0778	"	No.10 UNF	0.375"	0.225"	Clevelock
21-1852	"	5/16" UNF	0.437"	0.330"	Philidas
21-1906	"	¼" UNF	0.438"	0.188"	Plain
21-1908	"	5/16" UNF	0.438"	0.313"	Plain
21-1914	"	¾" UNEF	1.125"	0.250"	Plain
21-2012	"	7/8" UNEF	1.313"	0.438"	Plain
21-2013	"	¾" UNEF	1.313"	0.313"	Plain
21-2014	"	¾" UNEF	1.313"	0.438"	Plain
14-0301	"	¼" UNF	0.438"	0.224"	Plain
14-0302	"	5/16" UNF	0.500"	0.271"	Plain
14-0401	"	¼" 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	"	¼" 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	"	¼" UNF	0.438"	0.285"	Stiffnut
14-1202	"	5/16" UNF	0.500"	0.335"	Stiffnut
14-1301	"	¼" 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	"	½" 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/a height	Thickness
60-4259	Spring steel	3/8" clearance	19/32"	7/32"	0.104"
60-4250	"	¼" clearance	13/32"	3/16"	0.064"
60-3541	"	17/32"	7/8"	7/32"	0.040"**
21-0648	"	5/16" clearance	½"	5/32"	0.080"

** Double coil.

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ESSENTIAL SERVICE TOOLS

Part No.	Description
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

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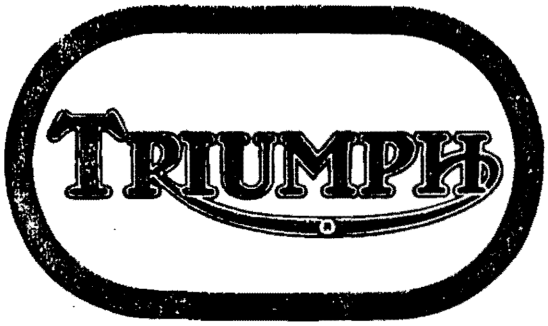

REPLACEMENT PARTS CATALOGUE SUPPLEMENT

FOR 1978 BONNEVILLE T140E

JUNE 1978
PART NO. TMA-9

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Help yourselves by helping us to expedite orders promptly and efficiently.

IMPORTANT

BSA MOTORCYCLES

When consulting your BSA parts books for part numbers, check carefully to be sure you have written the part numbers correctly. BSA part numbers are composed of two digits, a dash, and at least four digits following. Occasionally, there will be a six digit number followed by a slash mark and then one digit, two digits, or three digits. For example, BSA part numbers may be correctly listed as follows:

67-0949	97-3896/3
42-6528/88	97-3795/177

However, some of the older parts books may show the part numbers entirely different. For example, there are listings as follows:

2-525	2-49
40-24	67-949

In all cases, BSA part numbers must be entered on your parts orders with two digits, a dash, and at least four digits following. When you look up a BSA part number in a BSA parts book, and it does not show two digits, a dash, and at least four digits, it will be necessary to convert the number to this form, to either enter the part number correctly on your parts order, or to assist you in looking up a price in this Price List. To convert the old part number, fill in the missing digits with zeros:

2-525	should be	02-0525
2-49	should be	02-0049
40-24	should be	40-0024
67-949	should be	67-0949

TRIUMPH MOTORCYCLES

PART NUMBER CONVERSION

In 1973 Triumph introduced a numerical part numbering system which supersedes the old alpha-numeric numbering system. Prefix letters have been converted to numeric prefixes as follows:

ALPHA-NUMERIC	CONVERTS TO	NUMERIC
DXXXX		60-XXXX
EXXXX (4 Digits)		70-XXXX
EXXXXX (5 Digits)		71-XXXX
FXXXX (4 Digits)		82-XXXX
FXXXXX (5 Digits)		83-XXXX
HXXXX		97-XXXX
SXXXX		21-XXXX
TXXXX		57-XXXX
WXXXX		37-XXXX

This chart is supplied as an aid to converting older Alpha-Numeric part numbers.

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This Triumph replacement parts catalogue supplement describes the parts which are unique to the 1978 T140E model. It uses the same organization as the 1978 Replacement Parts Catalogue. If you wish, the T140E supplement may be broken apart into separate sections and those pages may be inserted in the appropriate place in the T140V catalogue. Or if you prefer, the supplement can be used as it is.

The "Remarks" column refers to page (PG) numbers and reference (REF#) numbers which are contained in the March 1978 Replacement Parts Catalogue (99-7003). In most cases, these indicate the T140V component which has been changed on the T140E.

PLEASE NOTE: T140V SPECIFICATIONS AND PARTS HAVE NOT CHANGED. The "Replaces" column in this supplement refers to parts which have been changed for production of the T140E.

The only illustration used in this supplement is an exploded view of the AMAL Mark 2 carburetor. Some carburetor components which are not illustrated are included in the listing. They are grouped with associated parts. Where possible, related components are listed together so that assemblies may be identified.

This T140E supplement contains the following sections:

Manifold and tappets

Cylinder block and head, T140E

Carburetor, T140E

Frame

Air cleaners and side panels

Fenders

Control cables

Headlamp and flasher lamps

Misc.

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MANIFOLD AND TAPPETS, T140E SUPPLEMENT

Part No.	Description	Qty.	Replaces Part No.	Remarks
71-7103	Connector	2	71-3313	See pg 19 ref #17
71-7051	Balance pipe	1	71-3577	See pg 19 ref #18
2928/123	Rubber carb. connector	2	New	Replaces intake manifolds (also listed under carbu-etor)
2928/146	Clip for rubber	4	New	Secures 2928/123 to carb and cyl. head stub. (also listed in carb section)

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CYLINDER HEAD, T140E SUPPLEMENT

Part No.	Description	Qty.	Replaces Part No.	Remarks
71-7046	Cylinder head	1	71-7007	Pg 25 ref #13
71-7049	Rocker box-exh.	1	71-3669	Pg 25 ref #42 71-7049 rocker box includes breather connector 71-7103

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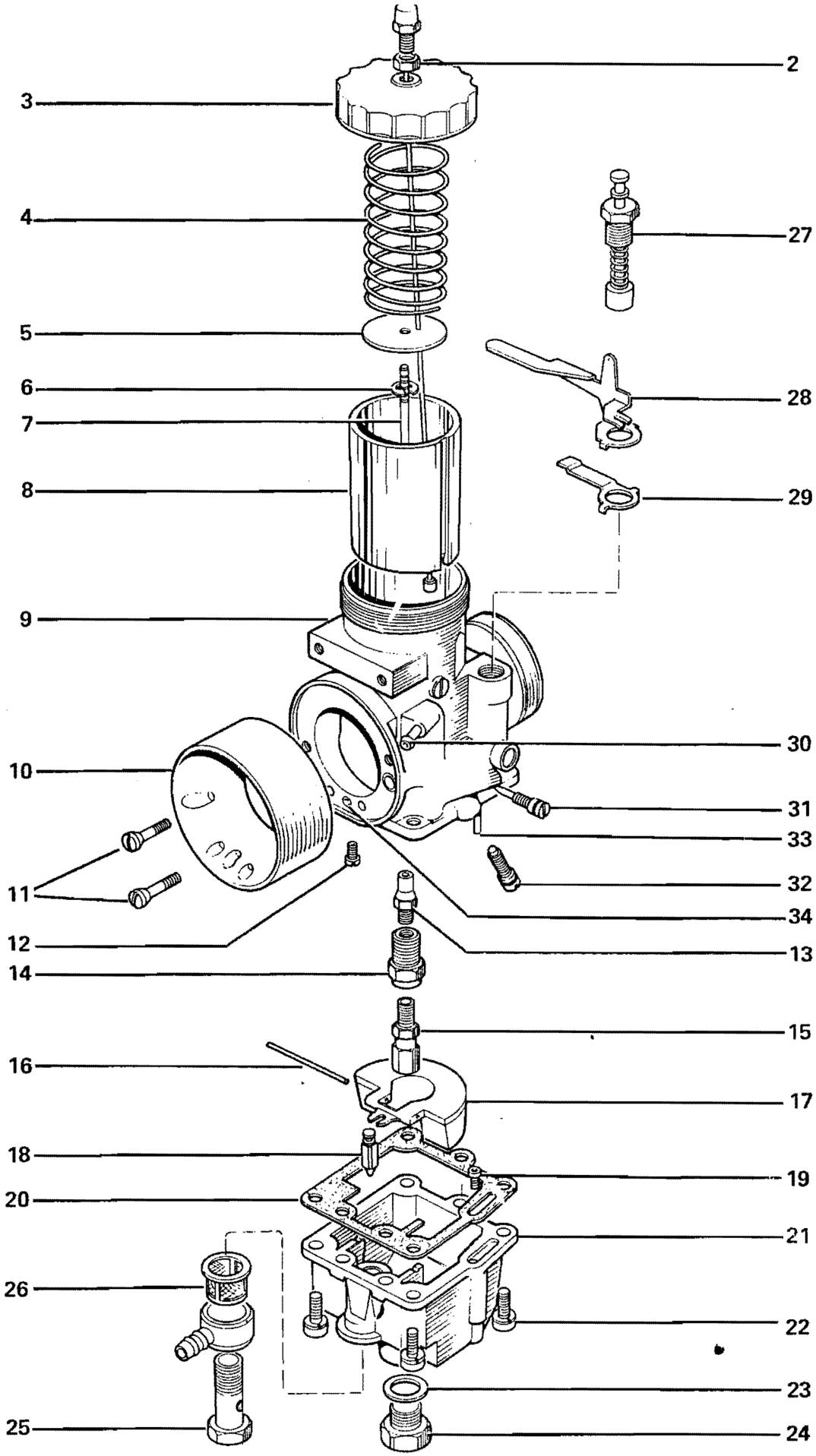

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CARBURETOR, T140E SUPPLEMENT

Part No.	Description	Qty.	Replaces Part No.	Remarks
L2930/2	Carburetor L.H. Compl.	1	19-2452	AMAL Mark 2 (includes 2928/123-2928/146)
R2930/1	Carburetor R.H. Compl.	1	19-2453	AMAL Mark 2 (includes 2928/123-2928/146)
71-7052	Bracket-MK2 carbs	1	New	Flat bracket attaches both carbs.
23-1031	Screw-MK2 carb bracket	3		Attach 71-7052 bracket to MK2 carbs.
60-2427	Washer-MK2 carb bracket	3		
21-7028	Grub screw-carb bracket	1		Attaches to left carb to position brkt. 71-7052
71-7053	Link-MK2 cold start	1	New	Links left carb cold start control lever to right carb cold start control
71-7054	Pivot pin - link	2		Connect 71-7053 link to carb cold start controls
60-7078	Fastener - pivot pin	2		Secures pivot pins thru cold start link
83-7155	Petrol pipe assy.	1	83-6209	Not shown - See pg 31 ref. #28
2928/123	Rubber carb connector	2	New	Replaces intake manifolds (also listed in manifold section)

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CARBURETOR, T140E SUPPLEMENT CONT.

Part No.	Description	Qty.	Replaces Part No.	Remarks
2928/146	Clip for rubber	4	New	Secures 2928/123 to carb and cyl. head stub (also listed in manifold section)

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CARBURETOR, T140E SUPPLEMENT

Ref #	Part No.	Description	Qty./ carb	Remarks
1	4/035	Cable adjuster	1	
2	5/077	Cable adjuster-lock nut	1	
	60/7118	Cable rubber - carb top	1	Not shown - included with cable assy. 60-7083
3	2928/064	Mixing chamber top	1	
4	2928/061	Throttle valve spring	1	
5	2928/071	Needle retaining disc	1	
6	2622/067	Needle clip	1	
7	2928/030	Throttle needle	1	Stainless steel-2C3
8	2928/060	Throttle valve	1	
9	R2930/002	Body assembly	1	Right carb body
9	L2930/002	Body assembly	1	Left carb body
10	2928/062	Air intake adapter	1	
11	2622/073	Air intake adapter screws	2	
12	2622/142	Blank jet	1	Plugs optional location for pilot jet
	124/026	Pilot jet	1	Not shown-pilot jet is positioned in middle hole of float bowl on rim opposite the float needle
13	2928/031	Needle jet	1	Stainles steel .105
14	622/128	Jet holder	1	
15	376/100	Main jet	1	200
	928/071	Main jet filter	1	Not shown-screen

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CARBURETOR, T140E SUPPLEMENT CONT.

Ref #	Part No.	Description	Qty./ Carb	Remarks
16	2622/069	Float spindle	1	
17	622/069	Float	1	
18	622/149	Float needle	1	
19	124/026	Cold start jet	1	Located at bottom of fuel pick-up channel
20	2622/070	Float bowl gasket	1	
21	2622/139	Float bowl assy.	1	Includes brass insert in float bowl body
22	2622/086	Float bowl attach. screw	4	
23	2622/066	Float bowl plug gasket	1	
24	2622/065	Float bowl drain plug	1	
25	622/078	Banjo bolt	1	
	13/163	Banjo gasket	1	Not shown-positioned on banjo bolt 622/078
26	376/093	Filter - fuel	1	
27	2622/079	Cold start plunger assy.	1	
28	2622/075	Cold start lever bracket assy.	1	Left carburetor
28	2622/169	Cold start lever bracket assy.	1	Right carburetor
29	2622/087	Cold start click spring	1	
30	2622/072	Air vent adapter	2	
	2622/145	Air vent tube	2	Not shown
	2622/134	Air vent tube guide clip	2	Not shown-positioned on 2 float bowl att. screws adjacent to air intake adapter

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CARBURETOR, T140E SUPPLEMENT CONT.

Ref #	Part No.	Description	Qty./ carb	Remarks
31	2622/128	Pilot air screw with 'O' ring assy.	1	Pilot air adjuster
32	2622/129	Throttle stop with 'O' ring assy.	1	Throttle stop adjuster
	622/082	'O' ring - air & throttle screw	2	Not shown separately-included with 2622/128 - 2622/129
33	2622/074	Cold start dip tube	1	
34	2622/135	Air jet 3.5	1	Not illustrated in detail

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FRAME, T140E SUPPLEMENT

Part No.	Description	Qty.	Replaces Part No.	Remarks
83-7200	Elbow-crankcase breather pipe	1	New	
83-7201	Breather pipe	1	New	Connects breather outlet stub to 83-7200 elbow
83-7202	Breather pipe	1	New	Connects elbow to banjo at airbox
60-2252	Clip-breather	1		Screw tightened clamp on breather outlet stub
60-7117	Clip - breather	3		Clamps on elbow and banjo at airbox (see: air cleaners & side panels)
83-7154	Frame vent pipe	1	New	Connects frame vent to exh. rocker box
71-7058	Oil return pipe	1	71-7014	See pg 45 ref #21 (same material)
83-7032E	Frame assy - T140E	1	83-7032	

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AIR CLEANERS AND SIDE PANELS, T140E SUPPLEMENT

Part No.	Description	Qty.	Replaces Part No.	Remarks
71-7055	Connect-carb to air box	2	71-7019	See pg 73 ref #13
83-7141	Air cleaner body - R.H.	1	83-4607	See pg 73 ref #1R
83-7162	Air cleaner body - L.H.	1	83-4606	See pg 73 ref #1L
83-7204	A/cleaner cover L.H.	1	83-7067	See pg 73 ref #2
83-7205	A/cleaner cover R.H.	1	83-7068	See pg 73 ref #2
83-7145	Breather tower assy.	1	New	Attach into rt. air box
83-7148	Banjo union	1	New	Attach to 83-7145
70-1465	Fiber washer	1		Banjo to airbox
83-7151	Cap - breather tower top	1	New	Breather tower
14-0213	Bolt			Breather tower
14-1901	Nut			Breather tower
70-2441	Fiber washer			Breather tower
83-7152	Styling panel L.H. brown	1		See pg 73 ref #34-39
83-7153	Styling panel R.H. brown	1		See pg 73 ref #34-39
83-7198	Styling panel L.H. black	1		See pg 73 ref #34-39
83-7199	Styling panel R.H. black	1		See pg 73 ref #34-39

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HEADLAMP AND FLASHER LAMPS, T140E SUPPLEMENT

Part No.	Description	Qty.	Replaces Part No.	Remarks
60-7079	Diode - lead assy.	1	New	Includes 60-7080, 60-7081, 60-7082. Connects between 31788 headlight switch & ignition switch to provide lights on with ignition switch
60-7080	White lead assy.	1	New	Long (bottom)
60-7081	White lead assy.	1	New	Top (short)
60-7082	Diode	1	New	
31788	Headlight switch	1	34419	
83-7161	Buckle - battery strap	1	82-9355	

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FENDERS, T140E SUPPLEMENT

Part No.	Description	Qty.	Replaces Part No.	Remarks
83-7158	Rear fender	1	83-7031	See pg 77 ref #1

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CONTROL CABLES, T140E SUPPLEMENT

Part No.	Description	Qty.	Replaces Part No.	Remarks
60-7083	Throttle cable complete	1	60-7002	See pg 83 ref #1- Includes 60-7118 boots over cable adjusters at carb tops
60-7084	Throttle cable J box to carb	2	60-7033	See pg 83 ref #14 - Does not include 60-7118
60-7118	Sheath - cable adj.	2		Rubber boot over cable adjuster at carb top

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MISC., T140E SUPPLEMENT

Part No.	Description	Qty.	Replaces Part No.	Remarks
99-7007	Owners Manual T140E	1		

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