

Part 4

SPARE PARTS LIST

SEARS MOTOR CYCLE — MODEL NUMBER 810.94222

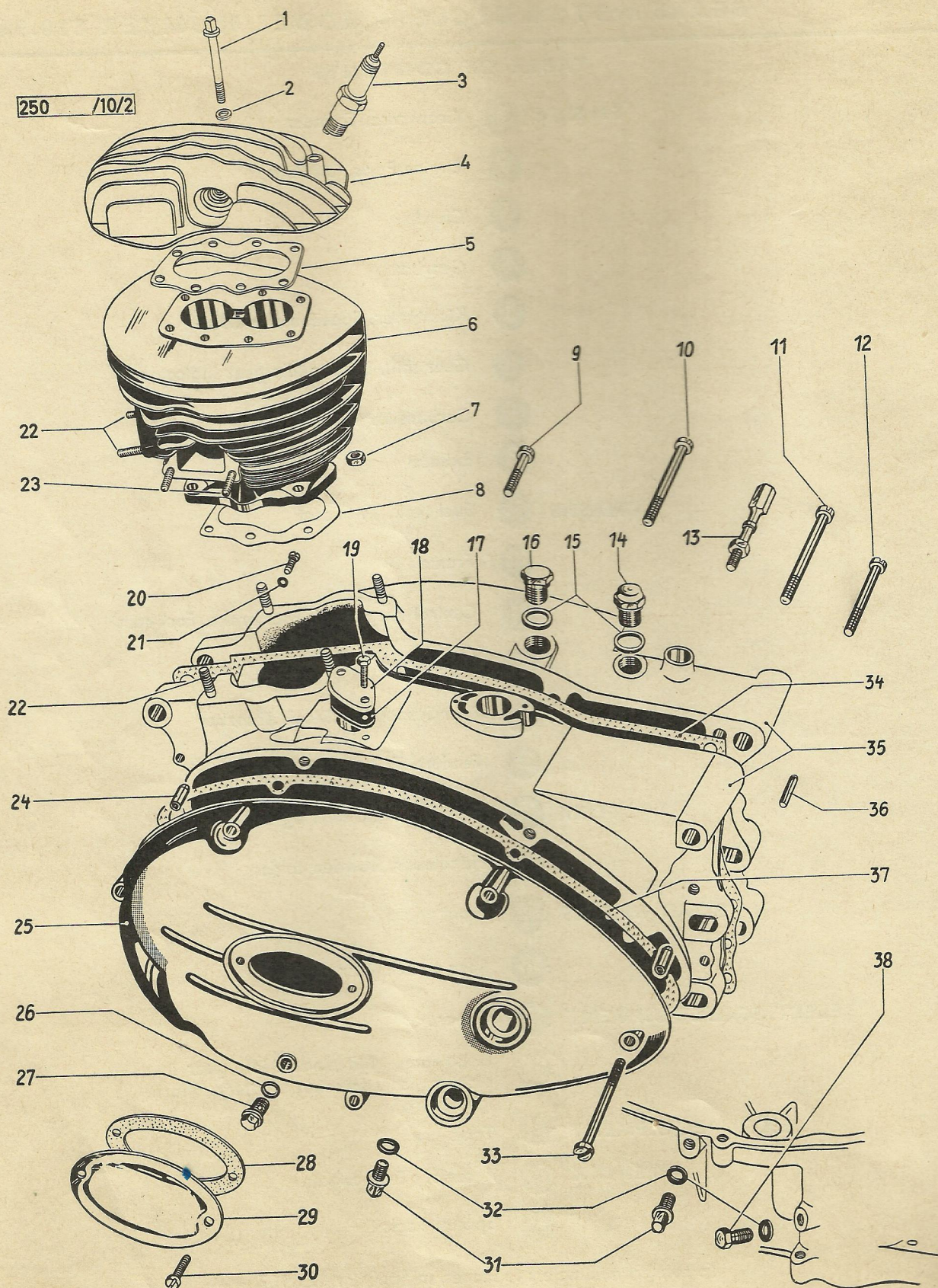
TABLE OF CONTENTS

ENGINE	1	Crankcase, Cylinder
	2	Engine Parts, Oil Pump
	3	Clutch
	4	Gearbox
	5	Kickstarter, Speedometer Drive
	6	Gear shift, Electric idle gear indicator
	7	Carburettor P 32/1
	8	Exhaust
CHASSIS	9	Fuel tank, Twin seat
	10	Frame
	11	Central prop stand, Foot brake, Foot rests
	12	Pivoted rear fork, Chain guard
	13	Rear Suspension Shock Absorber
	14	Fenders, Tail-stop-light group
FORK	15	Front fork and steering assembly
	16	Handlebar, Bowden cables
ROAD WHEELS	17	Front wheel
	18	Rear wheel, Rear chain
ELECTRICAL EQUIPMENT	19	Generator
	20	Head lamp with electric idle gear indicator, speedometer, battery, horn, ignition coil
EXTRA EQUIPMENT	21	Tools
APPENDIX	22	Accessory Exhaust kit
	23	Special Tools

SEARS MOTOR CYCLE — MODEL 810.94222

1

CRANKCASE, CYLINDER



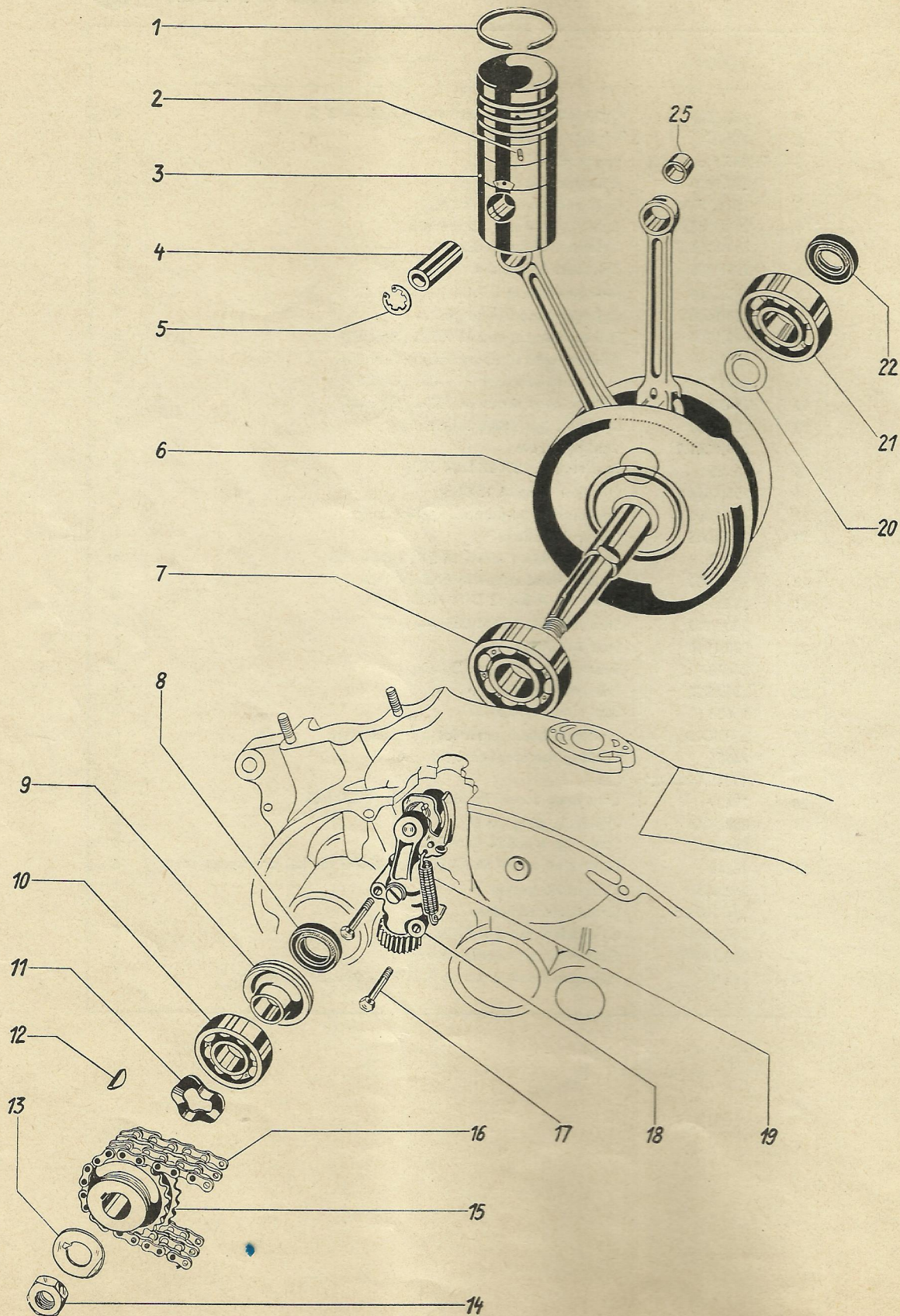
SEARS MOTOR CYCLE — MODEL 810.94222

CRANKCASE, CYLINDER

1

Ref. No.	Part No.	Description	Requd. No.
1	250.1007	Cylinder head cap screw M 8X65 — 8 G	8
2	24806	Washer 8,4 DIN 433	8
3	SEARS No. 60400	Spark plug	2
4	253.1001	Cylinder head	1
5	253.2.1004	Cylinder head gasket (Alu)	1
6	253.1005.2	Cylinder, normal, 45 mm dia.	1
6	253.1005.3	Cylinder, 45,5 mm dia.	—
6	253.1005.4	Cylinder, 46 mm dia.	—
7	900.2009	Hexagon nut M 8 DIN 934 — 8 G	4
8	250.1013	Cylinder base flange gasket	1
9	900.1204	Fillister head screw M 7X25 (DIN 83)	2
10	25918	Fillister head screw M 7X50 (DIN 83)	1
11	25917	Fillister head screw M 7X55 (DIN 83)	4
12	25410	Fillister head screw M 7X38 (DIN 83)	5
13	128.1062	Stud bolt (for chain lubrication)	1
14	250.1041.2	Venting screw	1
15	26526	Seal ring C 18X22 DIN 7603	2
16	253.1044	Oil filler plug M 18X1,5	1
17	250.1009	Packing for oil-pump adjusting hole	1
18	250.1008	Cover for above	1
19	23319	Hexagon head screw M 5X12 DIN 933	2
20	900.1305	Fillister head screw M 6X8 DIN 84	1
21	24365	Seal ring A 6X12 DIN 7603	1
22	900.1902	Stud AM 8X18 DIN 835 — 8 G	8
23	900.1918	Stud AM 7X12	4
24	24573	Spacer 9 mm dia., 16,5 long	2
25	250.1034	Left crankcase cover	1
26	16636	Seal ring 14/10,5/1,5	1
27	250.1010	Hexagon head screw for oil level plug	1
28	24554	Packing for crankcase lid	1
29	171.1.10.010.1	Lid	1
30	25429	Lens head screw for lid AM 5X12 DIN 85	2
31	253.1046	Oil drain plug (M 8)	2
32	26482	Seal ring A 8X14 DIN 7603	3
33	26218	Lens head screw M 6X50 DIN 85-8G for left crankcase cover	6
34	253.1050	Crankcase gasket	1
35	254.1032.0	Crankcase complete	1
36	900.4801	Cylindrical pin 6 h 8X36 DIN 7	2
37	250.1049	Gasket for crankcase cover	1
38	26370	Hexagon head screw M 8X8 DIN 933 for oil drain	1

2 ENGINE-PARTS, OIL PUMP



SEARS MOTOR CYCLE — MODEL 810.94222

ENGINE-PARTS, OIL PUMP

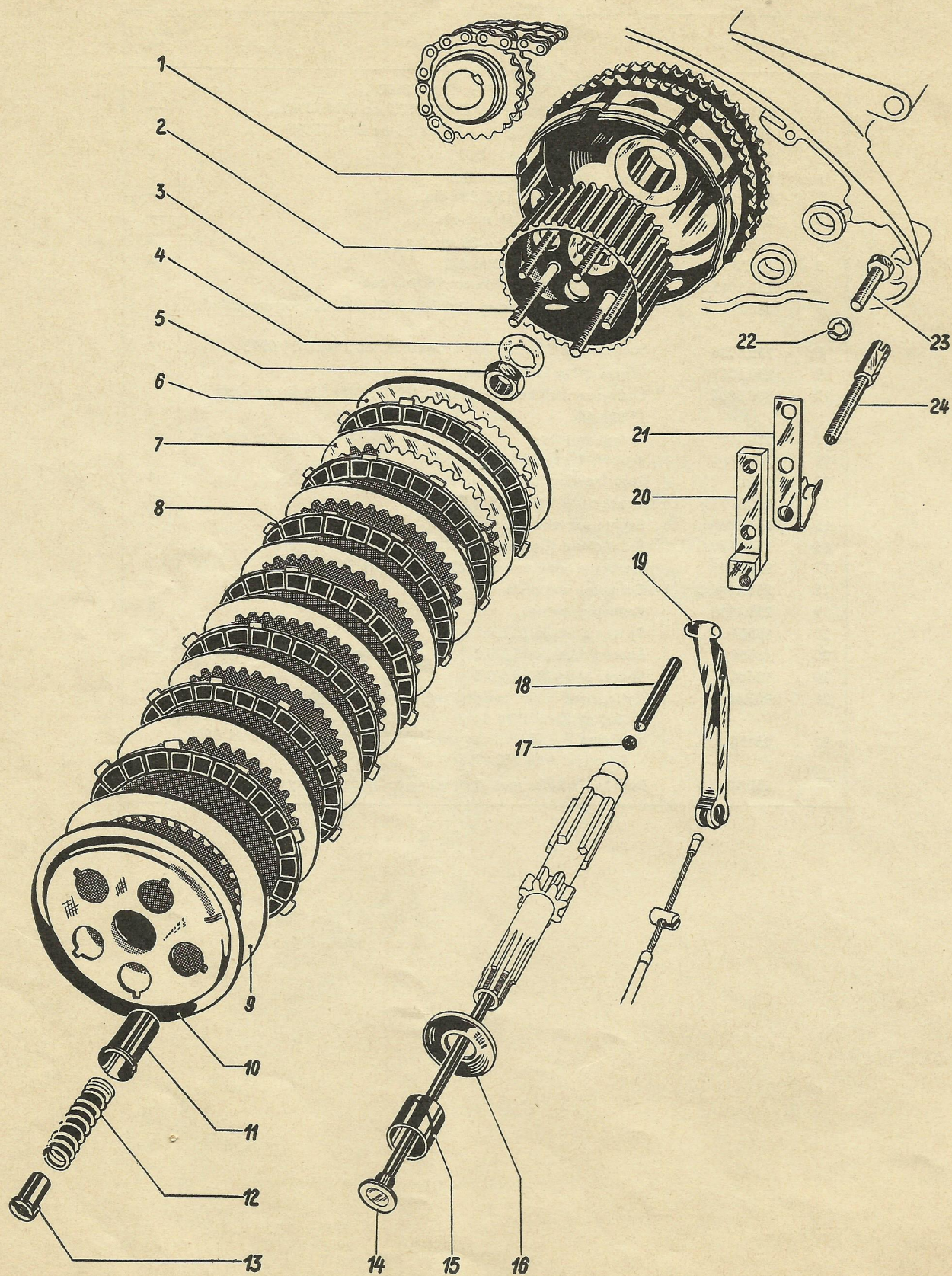
2

Ref. No.	Part No.	Description	Requd. No.
1	253.1060	Piston ring AZ 45X2,5 ac DIN 73102	6
1	253.1060.3	Piston ring oversize I, AZ 45,5X2,5 ac DIN 73102	—
1	253.1060.4	Piston ring oversize II, AZ 46X2,5 ac DIN 73102	—
2	175.1008	Notched securing pin 2,5X7	6
3	253.1006.2	Piston, normal, 45 mm dia.	2
3	253.1006.6	Piston oversize I, 45,5 mm dia.	—
3	253.1006.7	Piston oversize II, 46 mm dia.	—
4	250.1011	Piston pin 18 mm dia., 36 mm long	2
5	13970	Snap ring Sg 18x1 DIN 472	4
6	253.1015.0	Crankshaft compl. with connecting rod	1
7	26020	Deep-row ball bearing 6305 62/25/17, DIN 625 for crankshaft left side	1
8	250.1036	Seal ring B 1 35/25/7 for crankshaft left side DIN 6503	1
9	250.1029	Worm drive for oil pump	1
10	900.6204	Deep-row ball bearing 6204 47/20/14, DIN 625 for crankshaft left side	1
11	250.1028	Spring washer	1
12	26029	Woodruff key 5X6,5 DIN 6888	1
13	26017	Securing disc 32/16,5 mm dia.	1
14	26054	Hexagon nut M 16X1,5 DIN 936	1
15	253.1030	Engine sprocket, 22 teeth	1
16	253.1040.0	Front chain (Duplex, 64 rollers)	1
17	900.1015	Hexagon head screw M 6X35 SK DIN 931	2
18	250.1100.0	Oil pump complete	1
19	250.1115	Restoring spring	1
20	13584	Spacer shim 34/25,5/0,1	—
20	13584.2	Spacer shim 34/25,5/0,2	—
20	13584.3	Spacer shim 34/25,5/0,3	—
21	900.6650	Cylindrical roller bearing for crankshaft right-hand side NJ 305 62/25/17 DIN 5412	1
22	25152	Seal ring B 1 35/20/7 for crankshaft right-hand side DIN 6503 (identical with 250.1056)	1
25	250.1053.3	Bush 18/20/16 for main connecting rod and auxiliary connecting rod	2

SEARS MOTOR CYCLE — MODEL 810.94222

3

CLUTCH



SEARS MOTOR CYCLE — MODEL 810.94222

CLUTCH

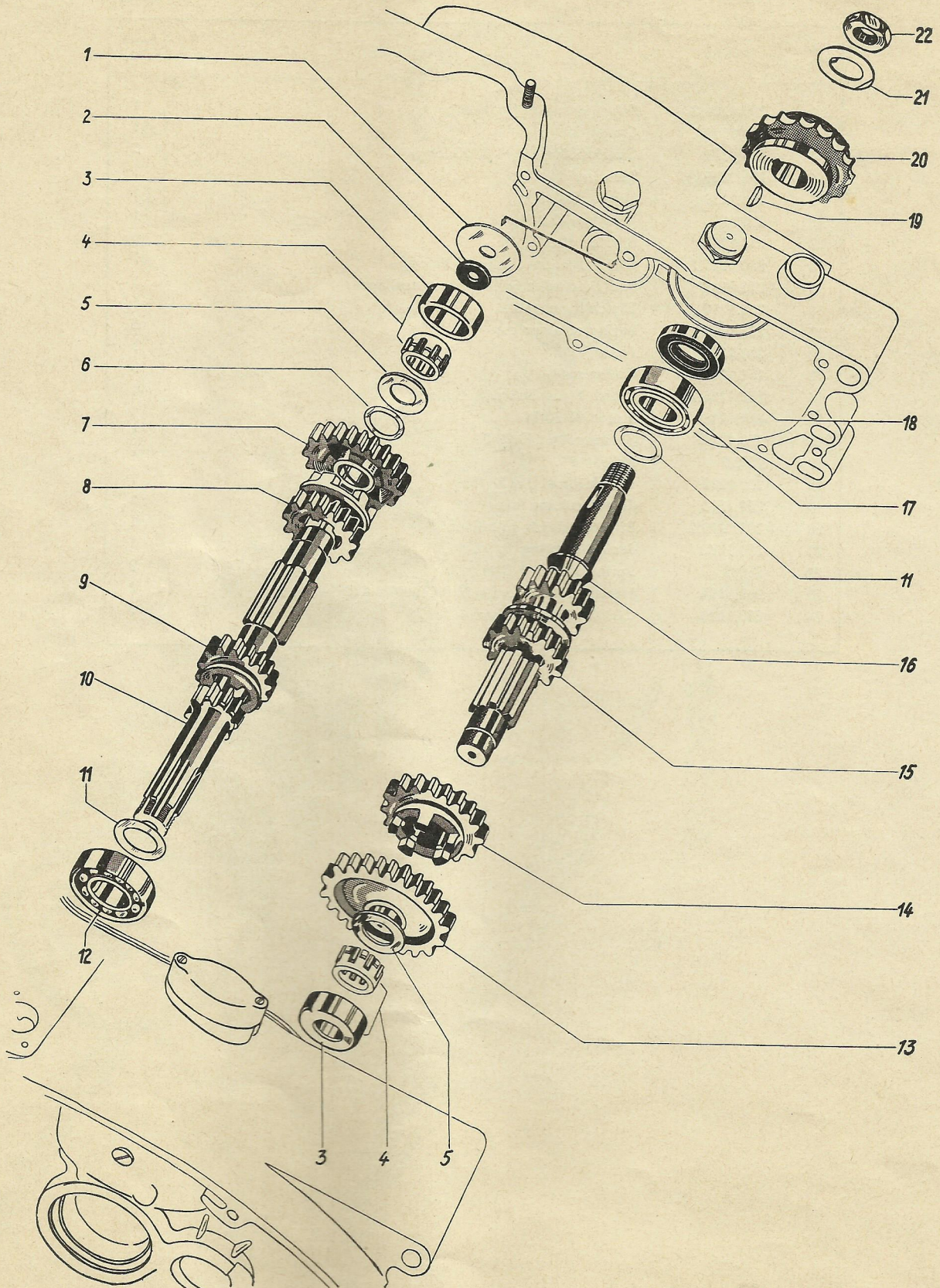
3

Ref. No.	Part No.	Description	Requd. No.
1	253.1201.2	Clutch sprocket (51 teeth)	1
2	253.1204.2	Clutch hub	1
3	251.1209	Clutch hub stud (M 7, 50 long)	5
4	250.1319	Securing disc	1
5	250.1320	Nut M 18X1	1
6	251.1228	Terminal clutch disc	1
7	250.1212	Interior disc	6
8	250.1224.2	Clutch friction disc (with lining)	7
9	253.1212	End clutch disc (with bent-up scallops)	1
10	253.1210	Clutch thrust plate	1
11	251.1205	Spring retainer cup	5
12	251.1206	Spring	5
13	251.1207	Collar nut (M 7)	5
14	250.1214.2	Clutch thrust bolt with button	1
15	250.1216	Sleeve 26/20/24	1
16	253.1217	Thrust collar 40/20/2	1
17	22755	Ball 5/16"	1
18	250.1215	Clutch thrust pin 53 long	1
19	250.1218	Clutch release lever	1
20	250.1219.2	Base for clutch adjustment	1
21	250.1222	Securing spring	1
22	26819	Spring ring B 8 DIN 127	2
23	900.1104	Hexagon head screw M 8X25 DIN 933	2
24	250.1220	Clutch adjustment screw (M 7)	1

SEARS MOTOR CYCLE — MODEL 810.94222

4

GEARBOX



SEARS MOTOR CYCLE — MODEL 810.94222

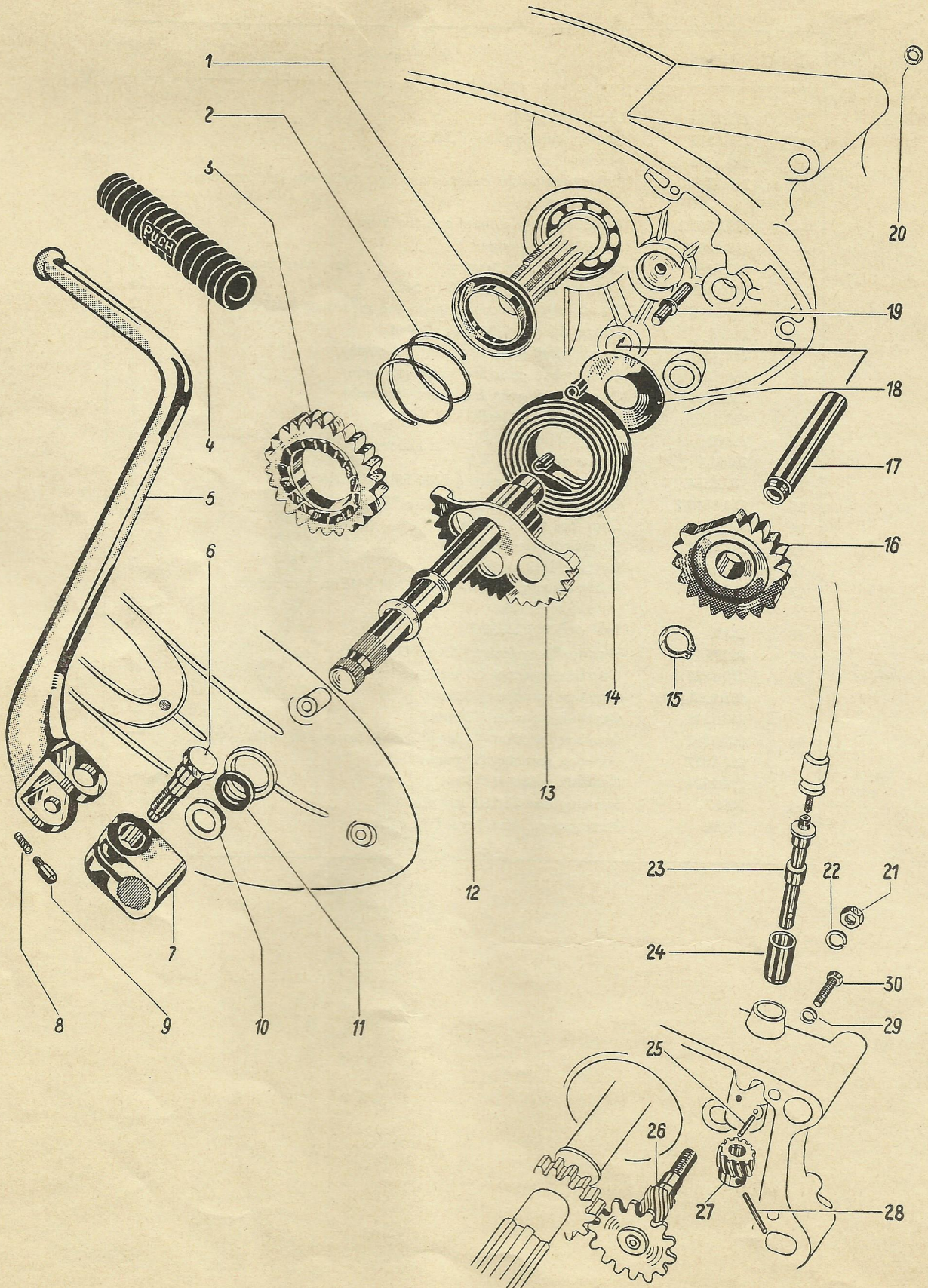
GEARBOX

4

Ref. No.	Part No.	Description	Requd. No.
1	250.1315	Disc 33/8/0,75	1
2	250.1318	Rubber seal ring 18,5/7,5/3,5	1
3	250.1310	Bearing bush	2
4	250.1307.0	Roller bearing for countershaft right-hand side and mainshaft left-hand side	2
—	250.1307.2	Roller bearing without bearing bush	2
—	250.1308	Roller bearing cage	2
—	250.1309	Cover for roller bearing	2
—	900.6101	Cylindrical roller 5X8 DIN 5402	18
5	250.1306	Thrust collar for countershaft and mainshaft 30/17/2	2
6	24288	Spacer shim 25/18/0,1 as needed	—
7	250.1304.2	Countershaft gear 4th speed (17 teeth)	1
8	250.1303	Countershaft gear 3rd speed (15 teeth)	1
9	250.1302	Countershaft gear 2nd speed (12 teeth)	1
10	250.1301	Countershaft (8 teeth)	1
11	25892	Spacer shim 27/21/0,1	—
11	25892.2	Spacer shim 27/21/0,2	—
12	900.6304	Deep-row ball bearing 6304 52/20/15 DIN 625	1
13	250.1311.2	Gear 1st speed (22 teeth)	1
14	250.1312	Gear 2nd speed (18 teeth)	1
15	250.1313	Gear 3rd speed (15 teeth)	1
16	250.1314	Mainshaft (13 teeth)	1
17	26007	Roller bearing WJL 47/20/18 DIN 5412 for mainshaft right-hand side	1
18	25152	Seal ring B 1 35/20/7	1
19	26029	Woodruff key (cotter) 5X6,5 DIN 6888	1
20	253.1325	Gearbox sprocket (15 teeth)(series)	1
	403.1.13.112.1	Gearbox sprocket (12 teeth)	—
	260.1328	Gearbox sprocket (13 teeth)	—
20	253.1323	Gearbox sprocket (14 teeth)	—
	253.1317	Gearbox sprocket (17 teeth)	—
	253.1324	Gearbox sprocket (18 teeth)	—
21	26017	Securing disc 32/16,5 mm dia.	1
22	26054	Hexagon nut M 16X1,5 DIN 936	1

5

KICKSTARTER, SPEEDOMETER DRIVE



SEARS MOTOR CYCLE — MODEL 810.94222

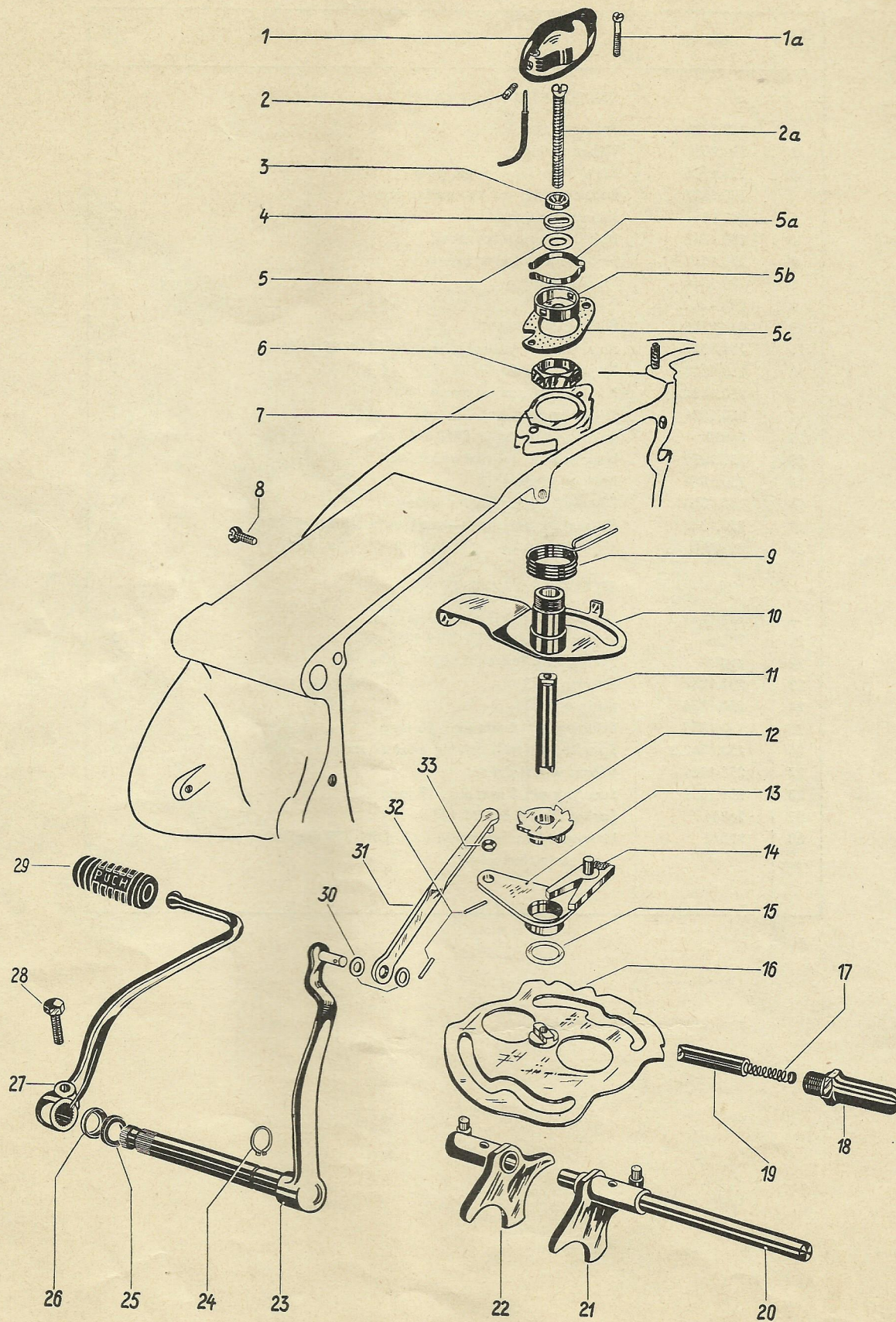
KICKSTARTER, SPEEDOMETER DRIVE

5

Ref. No.	Part No.	Description	Requd. No.
		KICKSTARTER	
1	250.1328	Spring plate	1
2	250.1327	Thrust spring	1
3	250.1326	Kickstarter dog, clutch gear	1
4	253.1337	Rubber pedal for kickstarter crank	1
5	251.1340	Kickstarter crank	1
6	250.1342	Bolt for kickstarter crank	1
7	251.1341	Hub for kickstarter crank	1
8	250.1344	Thrust spring	1
9	250.1343	Thrust bolt	1
10	250.1346	Ring washer cover	1
11	250.1345	Ring washer (rubber) for startershaft 25/16,8/4	1
12	250.1333	Thrust collar 25/17,2/1	1
13	250.1331.2	Kickstarter tooth segment	1
14	250.1334	Starter spring	1
15	26529	Snap ring Sg 14X1 DIN 471	1
16	250.1330	Intermediate gear of kickstarter	1
17	250.1329	Bolt for above	1
18	250.1336	Disc 46/16/1 for starter spring	1
19	250.1335	Fixing pin, pressure — sunk in housing	1
20	28909	Washer 14/6,5/1 for fixing pin	1
		SPEEDOMETER DRIVE	
—	253.1349.0	Speedometer drive complete	1
21	26820	Hexagon nut M 8X1 DIN 934	1
22	26819	Spring ring B 8 DIN 127	1
23	251.1357	Driving shaft	1
24	250.1356	Bushing 17/25	1
25	250.1359	Securing pin 2 mm dia., 16 long	1
26	253.1362.2	Spindle bolt with driving gear (7 teeth)	1
27	253.1361	Worm wheel driven	1
28	251.1359	Securing pin 3 mm dia., 17 long	1
29	26834	Spring ring B 6 DIN 127	1
30	22872	Hexagon head screw M 6x30 DIN 931 for attachment of speedometer spiral	1

6

GEAR SHIFT, ELECTRIC IDLE GEAR INDICATOR



SEARS MOTOR CYCLE — MODEL 810.94222

GEAR SHIFT, ELECTRIC IDLE GEAR INDICATOR

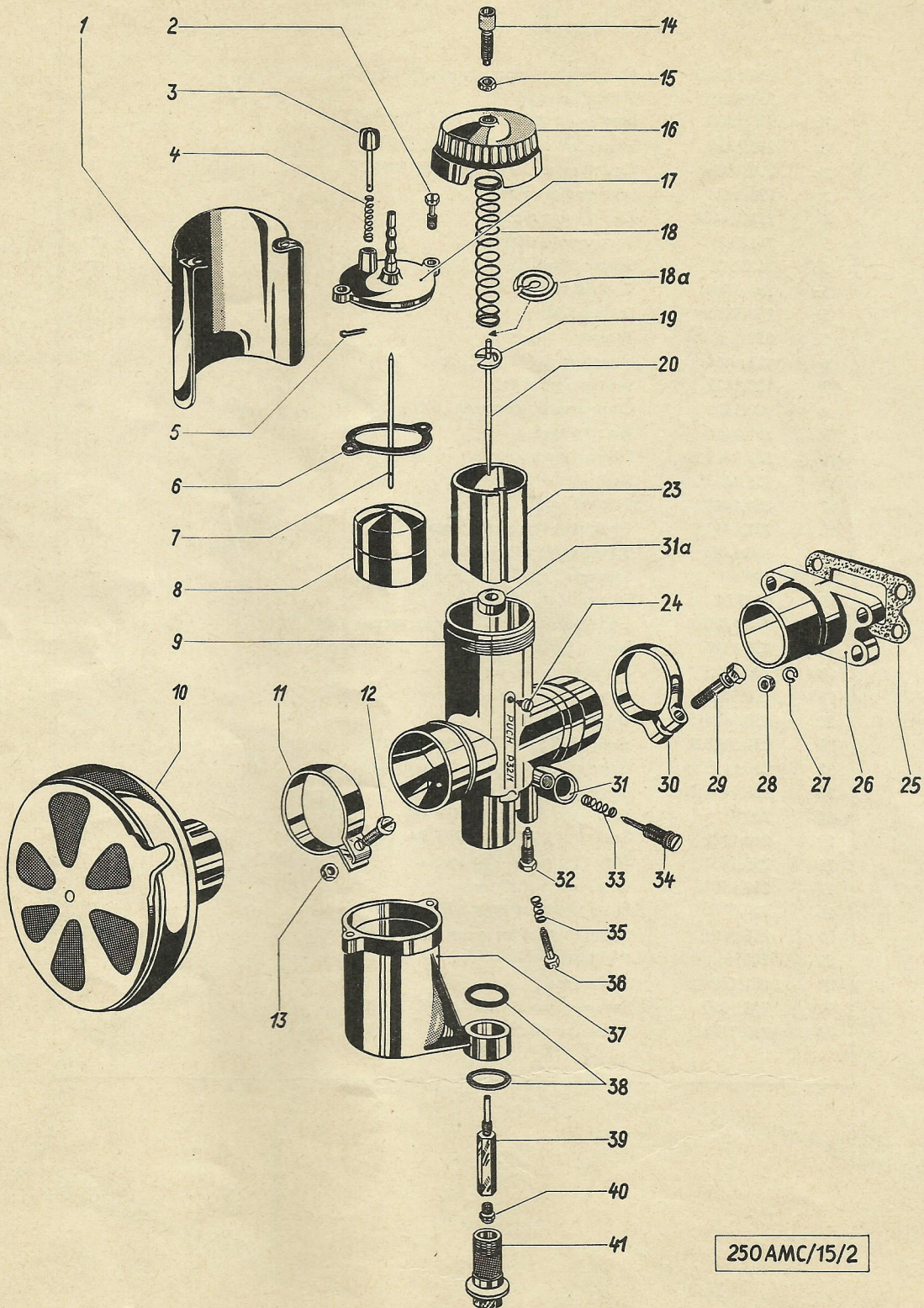
6

Ref. No.	Part No.	Description	Requd. No.
—	253.5350.0	Idle gear indicator complete	1
1	253.5350	Switch housing	1
1a	900.1508	Lens head screw M 4X18 DIN 920	1
2	900.1953	Threaded pin M 3X5 DIN 551	1
2a	900.1805	Countersunk screw M 6X60 DIN 87	1
3	128.1428	Intermediate disc	1
4	253.1.1434	Disc 18 mm dia.	1
5	24233.2	Spacer shim 20/13/0,2 } as needed	—
5	24233.3		—
5a	253.5354	Contact spring	1
5b	253.5353	Spring housing	1
5c	253.1.5356	Washer	1
6	128.1414	Hexagon nut M 18X1	1
7	128.1432	Securing washer	1
8	900.1801	Countersunk screw AM 6X20 DIN 87	1
9	251.1416	Hairpin spring	1
10	255.1415.2	Supporting plate	1
11	251.1417	Shell guide	1
12	251.1411	Ratchet wheel	1
13	251.1413.2	Gear shift lever complete	1
14	128.1427	Thrust spring for above	1
15	25892	Spacer shim 27/21/0,1 } as needed	—
15	25892.2		—
16	251.1410.2	Gear shift guide plate with curved gates	1
17	250.1423	Spring for catch	1
18	250.1422	Tubular guide for catch	1
19	250.1421	Catch for gear shift lever	1
20	250.1424	Gear shift rail	1
21	250.1426.2	Gear shift yoke 3rd and 4th speed	1
22	250.1425.2	Gear shift yoke 1st and 2nd speed	1
23	250.1403.2	Inner gear shift lever	1
24	26529	Snap ring Sg 14X1 DIN 471	1
25	250.1432	Seal ring (rubber) 22/13,8/4	1
26	250.1431	Seal ring cover 23 mm dia.	1
27	253.1401	Outer gear shift lever	1
28	900.1128	Hexagon head screw M 7X20 DIN 933	1
29	253.1436	Rubber pedal for gear shift lever	1
30	24796	Washer 7,4 DIN 125	2
31	251.1404.2	Shifter rod	1
32	250.1359	Securing pin 2 mm dia., 16 long	2
33	250.1434	Crowned disc 12/7,2/0,3	1

SEARS MOTOR CYCLE — MODEL 810.94222

7

CARBURETTOR P 32/1



250 AMC/15/2

SEARS MOTOR CYCLE — MODEL 810.94222

CARBURETTOR P 32/1



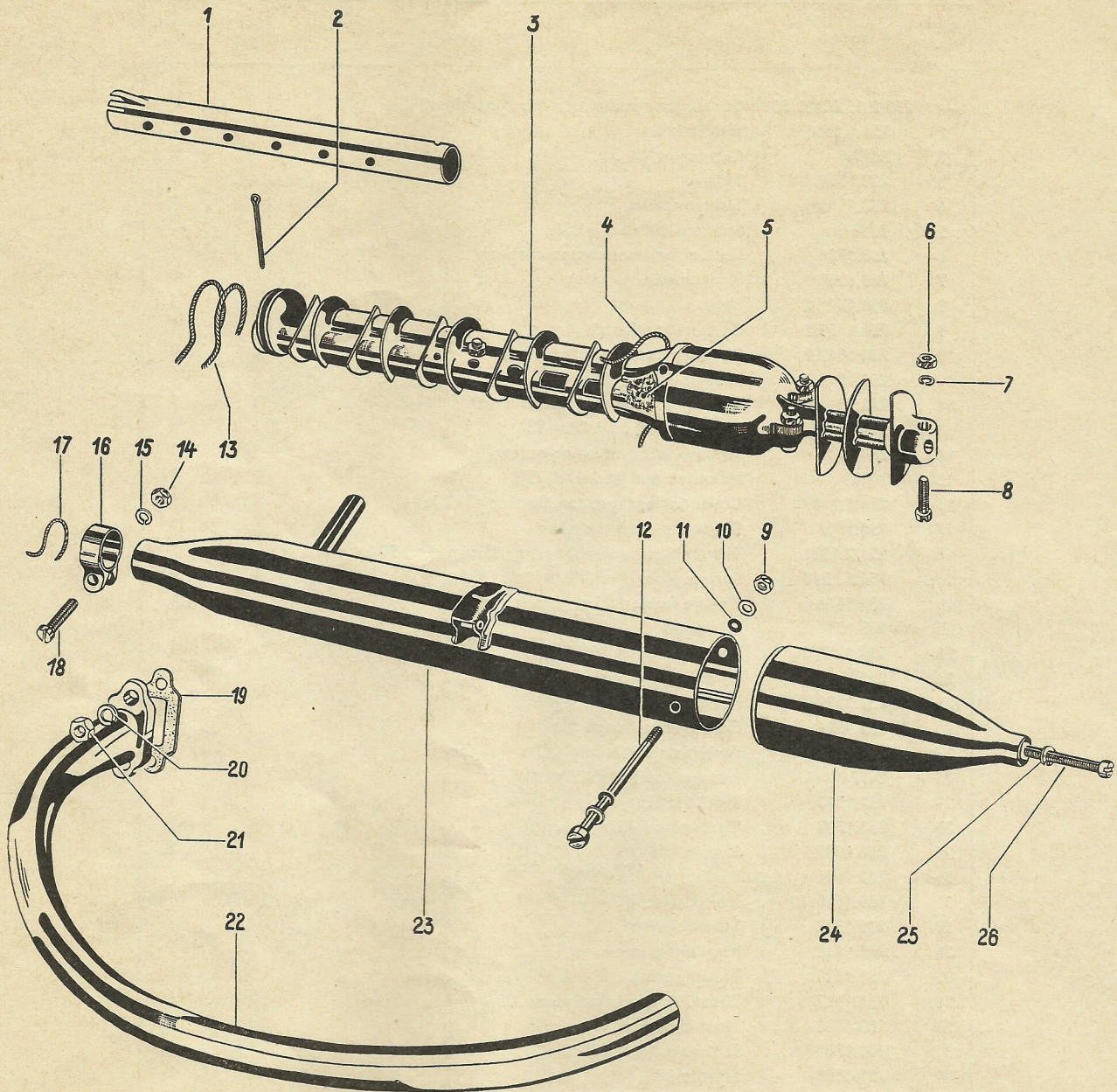
Ref. No.	Part No.	Description	Requd. No.
—	253.2.15.001.0/50	Carburettor compl., (without air filter)	1
1	254.1.1551	Windshield	1
2	26777	Cap screw (M 5)	2
3	253.1549.2	Tickler	1
4	253.1546	Tickler spring	1
5	26659	Split pin 1X10 DIN 94	1
6	253.1536	Gasket for float chamber cover	1
7	250.1530	Float needle	1
8	250.1525.2	Float	1
9	253.1501.2	Carburettor housing	1
10	250.1540.2	Air filter compl. 40/116 mm dia. (with shackle)	1
11	250.1543	Shackle for air filter	1
12	27455	Fillister head screw AM 6X20 DIN 84—8 G	1
13	24773	Hexagon nut M 6 DIN 934	1
14	26783	Bowden wire adjusting screw	1
15	26779	Hexagon nut (BM 6X0,75)	1
16	254.1.1519	Cover for carburettor housing (24 high)	1
17	253.1532	Cover for float chamber	1
18	253.2.1531	Throttle piston thrust spring 15 mm dia., 90 long	1
18a	254.1.1518	Spring plate	1
19	253.1548	Needle holder (clamp spring)	1
20	253.1516	Jet needle	1
23	254.1.1515	Throttle piston (50 high)	1
24	26776	Guide screw	1
25	253.1521	Flange gasket	1
26	253.1534	Carburettor flange	1
27	29189	Spring ring B 7 DIN 127	4
28	24774	Hexagon nut M 7 DIN 934	4
29	253.1513	Shoulder bolt (M 7)	1
30	253.1537	Carburettor fixing shackle	1
31	250.1507	Cap	2
31a	253.1504	Mixing jet pressed into housing	1
32	250.1510/40	Idle jet No. 40	1
33	250.1512	Thrust spring	1
34	253.1511	Regulating screw	1
35	253.1520	Thrust spring	1
36	253.1517	Throttle piston stop screw (M 5)	1
37	250.1522	Float chamber	1
38	900.3765	Seal ring 24/17,2/1	2
39	253.1508	Needle jet	1
40	253.1509/14	Main jet No. 150	1
40	253.1509/...*	Main jet No... (as required)	—
41	250.1523.2	Locking screw	1

* Please state jet number

SEARS MOTOR CYCLE — MODEL 810.94222

8

EXHAUST



SEARS MOTOR CYCLE — MODEL 810.94222

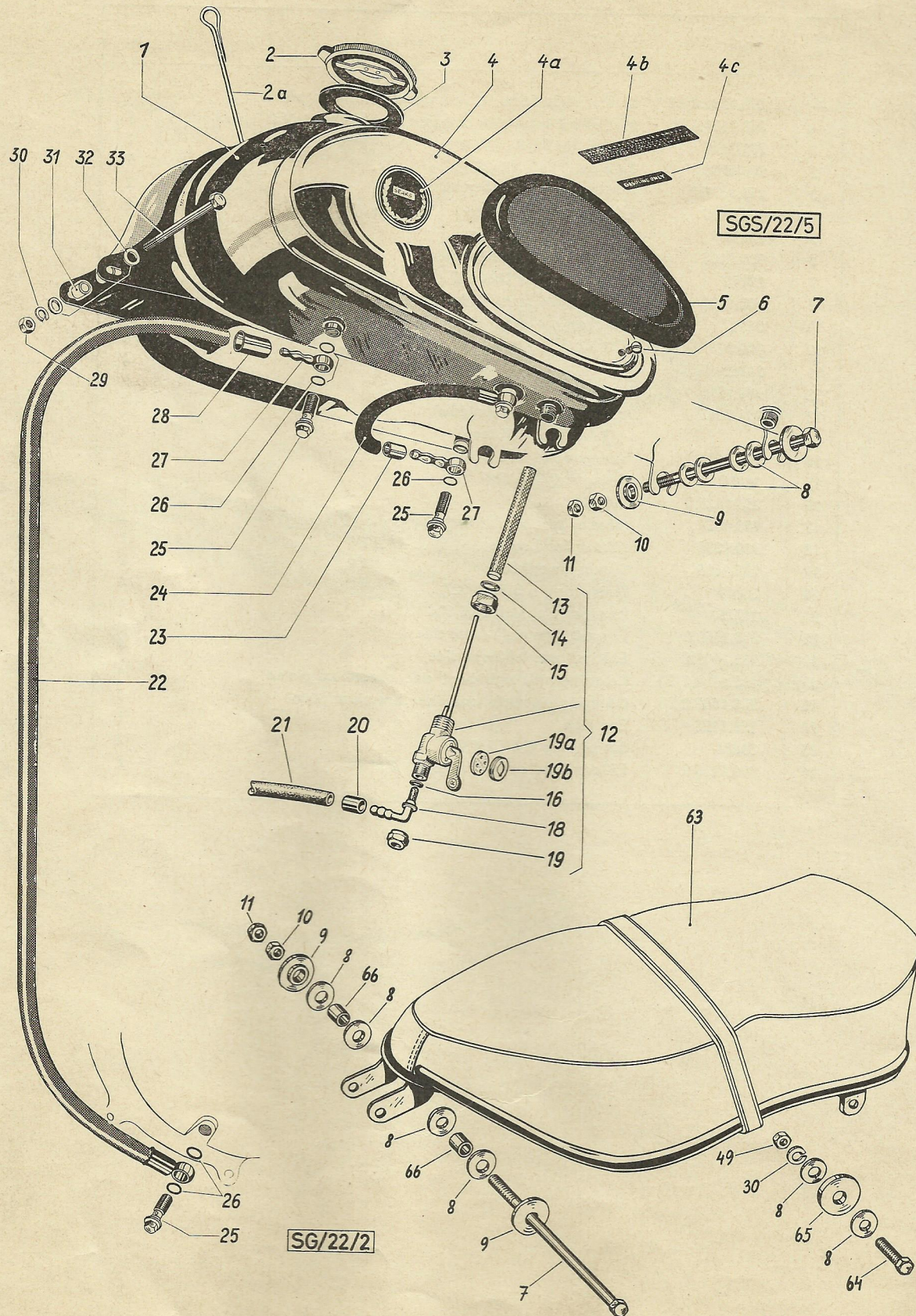
EXHAUST

8

Ref. No.	Part No.	Description	Requd. No.
—	253.1606.0/23	Muffler right-hand side complete chromium plated	1
—	253.1607.0/23	Muffler left-hand side complete chromium plated	1
1	253.1629	Connecting tube, 203 long	2
2	900.4906	Split pin 3X60 DIN94	2
3	253.1617.0	Silencer inner member complete	2
4	253.1640	Asbestos seal cord (rear) (3 mm dia., 250 long)	2
5	27616	Steel wool for silencer	4
6	900.2105	Hexagon nut M 5 DIN 555	10
7	29190	Spring ring B 5 DIN 127	10
8	900.1308	Fillister head screw AM 5X30 DIN 84	10
9	24417	Hexagon nut AM 6 DIN 439	2
10	900.3937	Washer 12/6,4/0,75	2
11	24365	Seal ring A 6X12 DIN 7603	4
12	900.1511	Lens head screw M 6X90 DIN 85	2
13	253.1635	Asbestos seal cord (middle) (3 mm dia., 227 long)	4
14	900.2106	Hexagon nut M 6 DIN 555	2
15	26834	Spring ring B 6 DIN 127	2
16	253.1625.2	Shackle	2
17	253.1636	Asbestos seal cord (front) (2 mm dia., 227 long)	2
18	900.1339	Fillister head screw AM 6X35 DIN 84	2
19	255.1605	Gasket for exhaust	2
20	26819	Spring ring B 8 DIN 127	4
21	24775	Hexagon nut M 8 DIN 934	4
22	253.1601.2	Exhaust pipe right-hand side	1
22	253.1602.2	Exhaust pipe left-hand side	1
(23)	253.1608.2/23	Covering pipe right-hand side chromium plated	1
23	253.1609.2/23	Covering pipe left-hand side chromium plated	1
24	253.1622	End pipe	2
25	26834	Spring ring B 6 DIN 127	2
26	900.1205	Fillister head screw AM 6X50 DIN 84	2

SEARS MOTOR CYCLE — MODEL 810.94222

9 FUEL TANK, TWIN SEAT



SEARS MOTOR CYCLE — MODEL 810.94222

FUEL TANK, TWIN SEAT

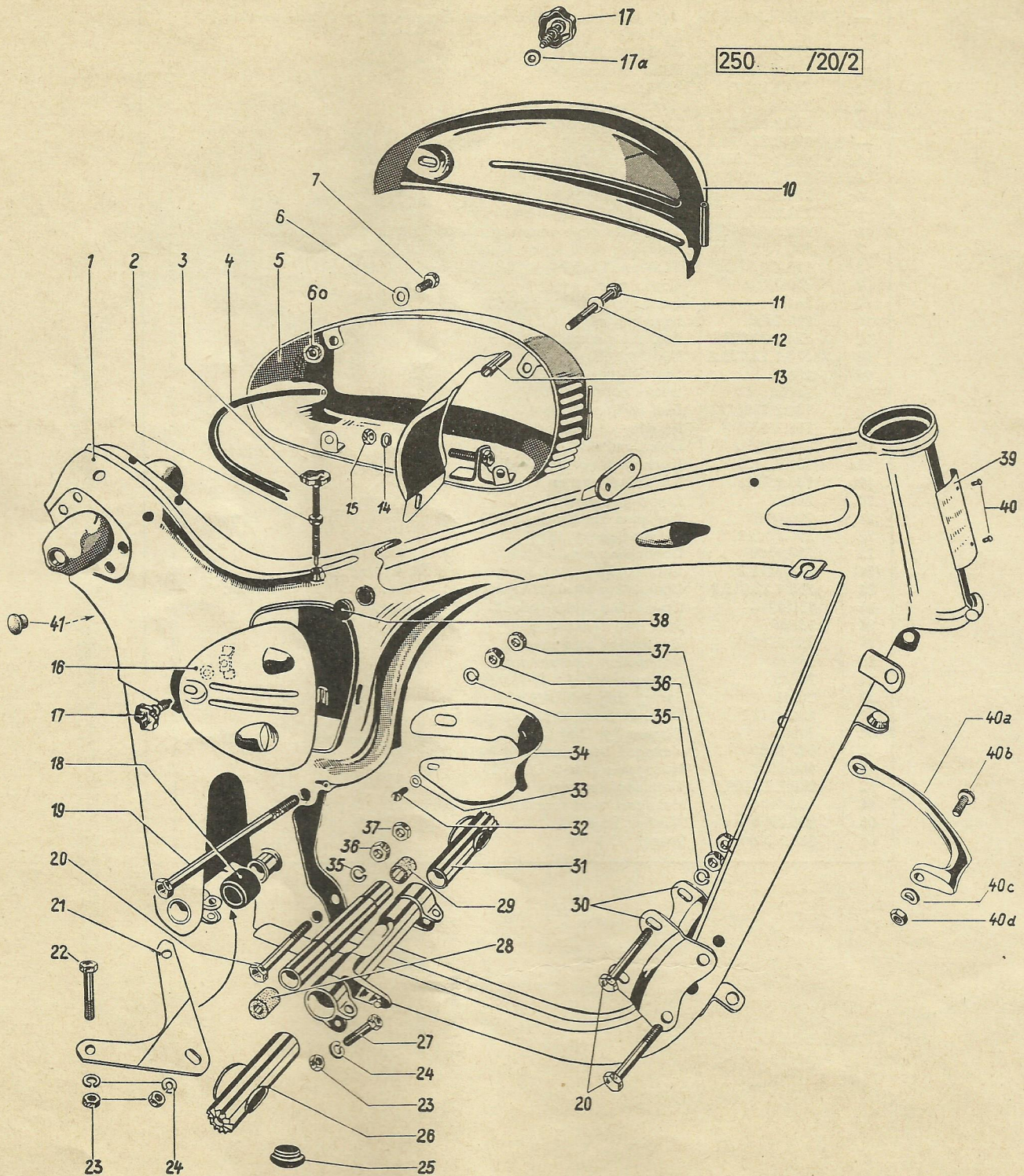
9

Ref. No.	Part No.	Description	Requd. No.
—	270.2.22.000.0/03	Fuel tank compl. (with dummy tank sides and knee cushions) (black)	1
1	270.2200.2/30	Fuel tank (loose) (black)	1
2	270.2220.0	Filler cap complete	2
2a	270.2.2211	Oil level gauge	1
3	27642	Outer seal 84 mm dia.	2
4	270.2.22.025.2	Dummy tank side, left-hand side	1
—	270.2.22.026.2	Dummy tank side, right-hand side	1
4a	270.1.22.040.1	Transfer picture	2
4b	270.2.22.023.1	Decal "OIL"	1
4c	270.2210	Decal „GASOLINE ONLY“	1
5	253.2228	Knee cushion right and left	2
6	900.1610	Lens head countersunk screw M 6X8 DIN 91	2
7	900.1001	Hexagon head screw M 8X130 DIN 931—8 G	1
8	128.2318	Washer 21/8/1,75	8
9	250.2321	Collar disc	2
10	24775	Hexagon nut M 8 DIN 934	1
11	900.2308	Hexagon nut BM 8 DIN 439	1
12	270.1.22.127.0	Fuel cock compl. ("Karco")	1
13	270.1.22.138.2	Top fuel filter	1
14	16636	Seal, washer 14/10,5/1,5	1
15	27634	Union nut (M 16X1)	1
16	101.2.2234	Seal washer 10,7/8/1	1
18	101.2.2208.2	Angular connection	1
19	101.2.2210	Union nut (M 12X1)	1
19a	101.2.2235	Cork packing 17 mm dia., 1,5	1
19b	101.2.2236	Threaded washer	1
20	24456	Fuel pipe sleeve	2
21	900.0902	Fuel pipe 9,5 mm dia., (300 long)	p. m. —
22	250.2213.2	Oil pipe complete	1
23	250.2219	Connecting pipe sleeve	2
(24)	128.2215.2	Connecting pipe complete (parts 23, 24 and 27)	1
24	253.1.22.015.8	Connecting pipe 11/7 (145 long)	p.m. —
25	250.2214	Connecting screw (for oil- and fuel pipes)	4
26	16636	Seal ring 14/10,5/1,5	8
27	250.2213	Connecting pipe nipple	4
28	16625	Connecting pipe sleeve	2
29	24775	Hexagon nut M 8 DIN 934	2
30	26819	Spring ring B 8 DIN 127	2
31	250.3112	Distance piece at damping arm	2
32	24806	Washer 8,4 DIN 433	2
33	900.1034	Hexagon head screw M 8x90 DIN 931	1
49	900.2108	Hexagon nut M 8 DIN 555	2
63	270.2.33.000.0	Twin seat complete	1
64	900.1104	Hexagon head screw M 8x25 DIN 933	2
65	900.3910	Washer 28/8,4/5	2
66	253.1.3301	Spacer 13/9/13	2

SEARS MOTOR CYCLE — MODEL 810.94222

10

FRAME



SEARS MOTOR CYCLE — MODEL 810.94222

FRAME

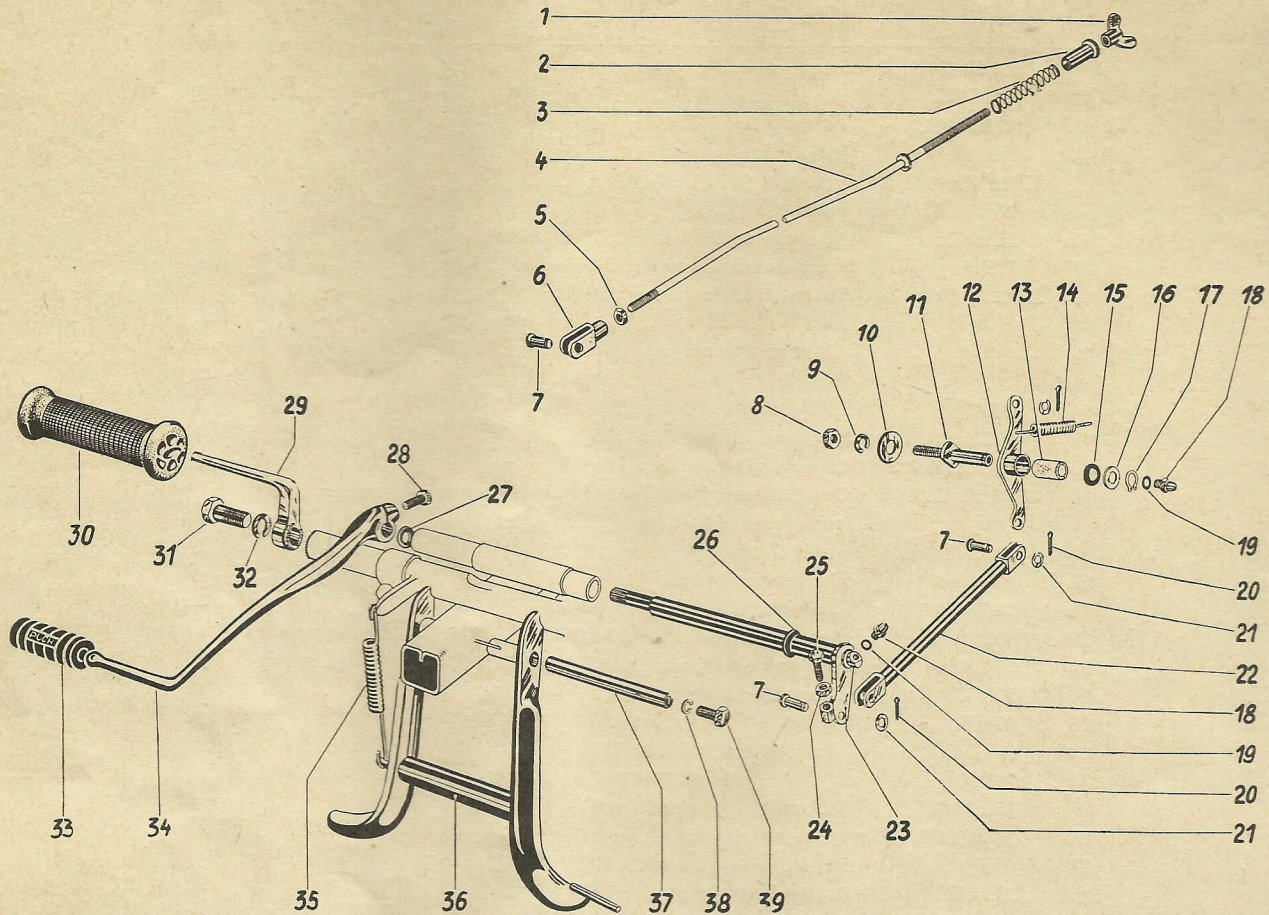
10

Ref. No.	Part No.	Description	Requd. No.
1	270.1.20.000.0/30	Frame complete (with cover right-hand side) (black)	1
2	900.2106	Hexagon nut M 6 DIN 555	1
3	253.5604.2	Thrust bolt	1
4	253.2612	Rubber cord gasket 910 mm long	1
5	270.2.26.001.2/30	Tool box (loose) (black)	1
6	28909	Washer 14/6,5/1	3
6a	900.2106	Hexagon nut M 6 DIN 555	3
7	25399	Hexagon head screw M 6X10 DIN 933 (as required)	4
10	270.2.26.002.2/30	Tool box cover (loose) (black)	1
11		} Not for this model	—
12			—
13			—
14	26819	Spring ring B 8 DIN 127	1
15	900.2108	Hexagon nut M 8 DIN 555	1
16	406.1.20.029.2/30	Cover right-hand side (black)	1
(16)	406.1.20.028.2/30	Cover left-hand side (as required if Bourgeess Exhaust is mounted and tool box falls out) (black)	—
17	100.2670.2	Screw for cover	2
17a	128.2045	Thread washer (M 7)	2
18	128.2009	Rubber ring 32/25/20 as needed	—
19	900.1056	Hexagon head screw M 10X1X150 DIN 960-8G } for suspension	1
20	900.1050	Hexagon head screw M 10X1X65 DIN 960-10K } of the engine	5
21	253.2051/30	Connecting plate (black)	1
22	27397	Hexagon head screw AM 8X40 DIN 931	2
23	900.2108	Hexagon nut M 8 DIN 555	5
24	26819	Spring ring B 8 DIN 127	5
25	250.2043	Rubber stop for stand	2
26	253.2058.2/30	Foot rest tube right-hand side (black)	1
27	22858	Hexagon head screw M 8X35 DIN 931	2
28	253.2020	Bushing right-hand side 19,7/11,8/18	1
29	253.2019	Bushing left-hand side 19,7/15,8/18	1
30	253.1043/30	Plate for engine suspension	2
31	253.2057.2/30	Foot rest tube left-hand side (black)	1
32	1426	Fillister head screw AM 5X8 DIN 84	1
33	24794	Washer 5,3 DIN 125	1
34	253.2037/30	Fairing plate (black)	1
—	24807	Washer 10,5 DIN 433 (with Ref. No. 35)	6
35	29192	Spring ring B 10 DIN 127	6
36	900.2011	Hexagon nut M 10X1 DIN 934—8 G	6
37	24786	Hexagon nut M 10X1 DIN 936	6
38	253.2041	Rubber plug	4
39	270.6.20.010.1	Nomenclature plate (Model number 810.94222)	1
40	365	Hammer screw	2
40a	253.2043	Handle	1
40b	900.1518	Lens head screw M 8X18 DIN 85	1
40c	900.3209	Spring washer A 8 DIN 137	1
40d	900.2108	Hexagon nut M 8 DIN 555	1
41	364.1.30.062.1	Rubber plug	2

SEARS MOTOR CYCLE — MODEL 810.94222

11

CENTRAL PROP STAND, FOOT BRAKE, FOOT RESTS



SEARS MOTOR CYCLE — MODEL 810.94222

CENTRAL PROP STAND, FOOT BRAKE, FOOT RESTS

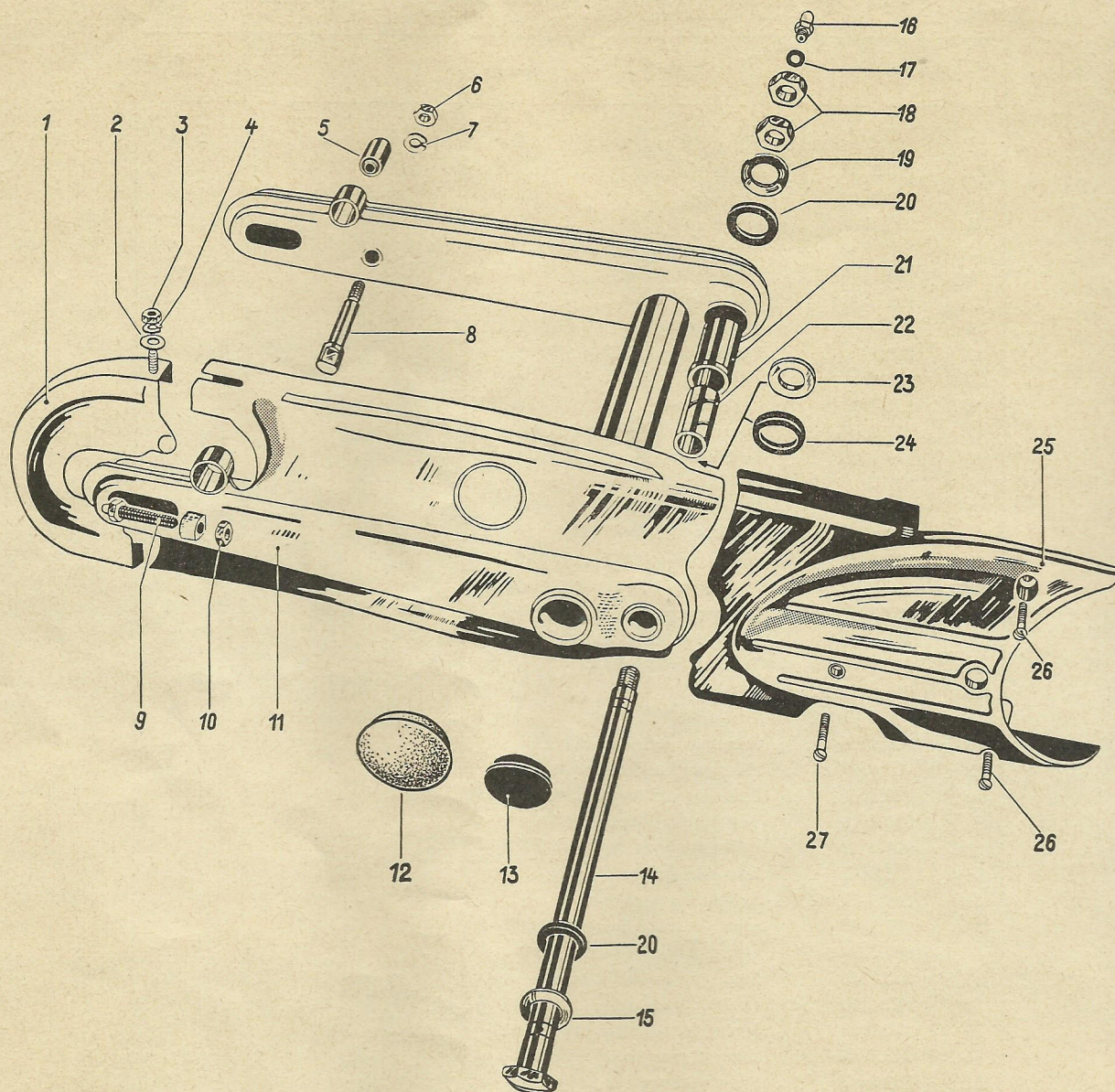
11

Ref. No.	Part No.	Description	Requd. No.
1	24909	Wing nut (M 7)	1
2	28946	Guide Bushing	1
3	29129	Thrust spring	1
4	253.2509.2	Brake rod	1
5	24774	Hexagon nut M 7 DIN 934	1
6	253.2508	Brake rod clevis	1
7	900.4821	Bolt 6 mm dia.	3
8	26820	Hexagon nut M 8X1 DIN 934	1
9	26819	Spring ring B 8 DIN 127	1
10	128.2318	Washer 21/8,1/1,75	1
11	253.2521	Bearing bolt	1
12	253.2514.2	Intermediate lever (with bushing)	1
13	253.2516	Bushing (plastic 14,3/9,8/17)	1
14	28773	Restoring spring	1
15	253.2505	Seal washer 18/9/2,5	1
16	24807	Washer 10,5 DIN 433	1
17	900.4610	Snap ring Sg 10X1 DIN 471	1
18	26821	Pressure grease (alemite) nipple	3
19	18931	Washer for Alemitte nipple (as required)	3
20	24893	Split pin 1,5X10 DIN 94	3
21	24804	Washer 6,4 DIN 433	3
22	253.2507.2	Tie rod	1
23	253.2.2510.2	Brake shaft	1
24	900.2106	Hexagon nut M 6 DIN 555	1
25	900.1107	Hexagon head screw M 6X25 DIN 933	1
26	100.2666	Intermediate ring (rubber) 24/14/3	1
27	250.4010	Seal ring (rubber) 22/11/3	1
28	900.1128	Hexagon head screw M 7X20 DIN 933	1
29	128.2515	Foot rest (left and right)	2
30	357.1.25.016.1	Rubber for foot rest	2
31	128.2505	Screw M 14X1,5 for foot rest	2
32	900.3214	Spring ring B 14 DIN 127	2
33	253.1436	Foot brake rubber pedal	1
34	253.2500	Foot brake lever	1
35	128.2410	Spring for Central prop stand	1
36	253.2400.2/30	Central prop stand (black)	1
37	253.2413	Spacer 10 mm dia., 119 long	1
38	26819	Spring ring B 8 DIN 127	2
39	22834	Hexagon head screw M 8 X 20 DIN 933	2

SEARS MOTOR CYCLE — MODEL 810.94222

12

PIVOTED REAR FORK, CHAIN GUARD



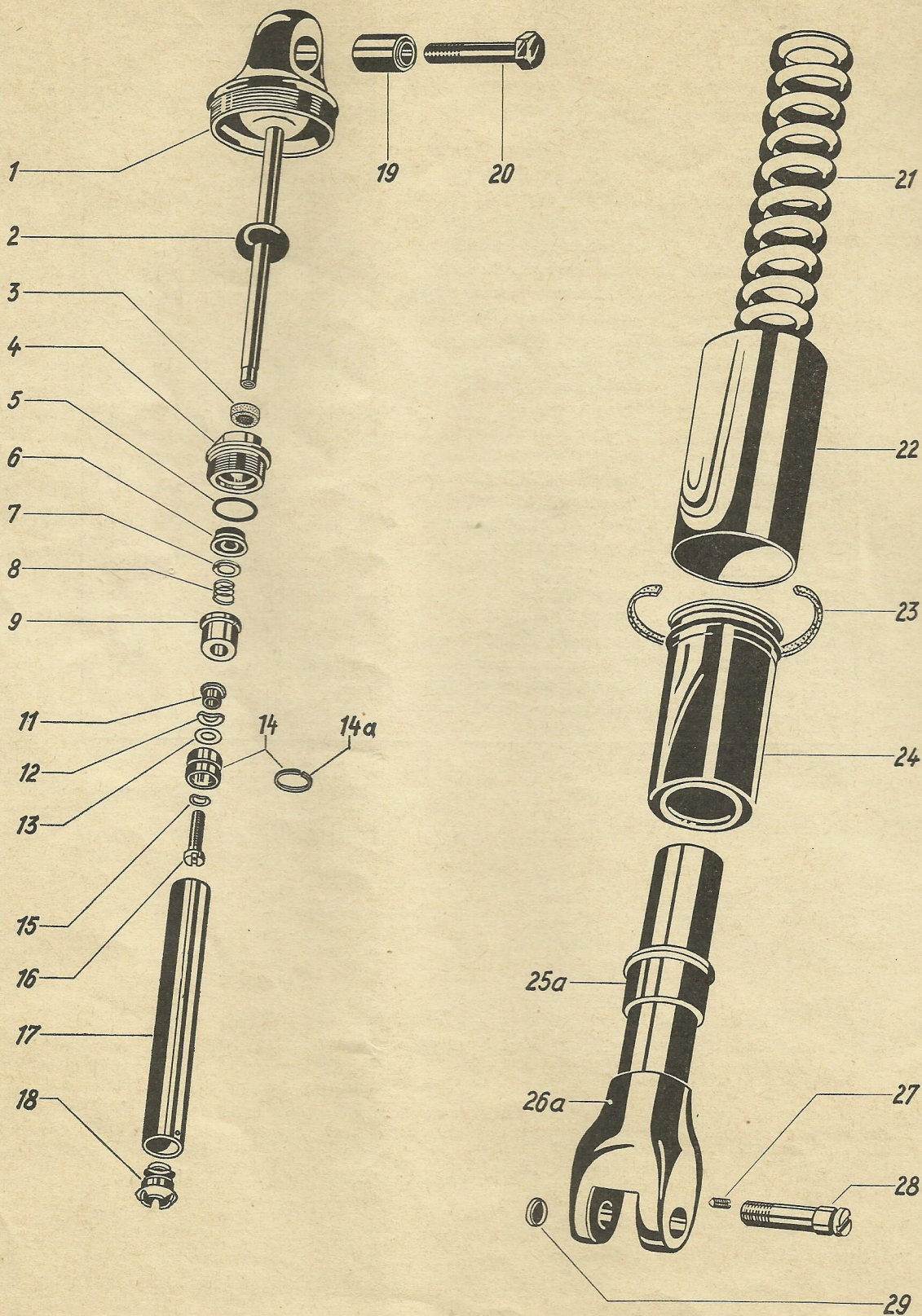
PIVOTED REAR FORK, CHAIN GUARD

12

Ref. No.	Part No.	Description	Requd. No.
—	253.2100.0/30	Pivoted rear fork compl. (with rear chain guard, different screws and pressed-in silent blocs) (black)	1
1	253.2129.2/30	Rear chain guard (black)	1
2	28909	Washer 14/6,5/1	2
3	24773	Hexagon nut M 6 DIN 934	2
4	26834	Spring ring B 6 DIN 127	2
5	253.2153	Silent bloc 22 mm dia., 24 long	2
6	26820	Hexagon nut M 8X1 DIN 934	1
7	26819	Spring ring B 8 DIN 127	1
8	253.2.2108	Brake stop screw (M 8X1)	1
9	253.2125	Chain tensioning screw (M 7)	2
10	24774	Hexagon nut M 7 DIN 934	2
11	253.2100.2/30	Swing fork (separate)	1
12	175.2.21.022.1	Cover 52 mm dia.	1
13	253.2116	Rubber cap 40 mm dia.	2
14	253.2130.2	Swing fork shaft	1
15	253.2139	Clamp disc 31/20 mm dia.	1
16	26821	Pressure grease nipple	1
17	18931	Washer 10/6,5/1,5 (as required)	1
18	128.2132	Hexagon nut M 18X1	2
19	128.2141	Clamp disc 31/18,5 mm dia.	1
20	253.2140	Rubber disc 32/23/2,5	2
21	253.2137	Bushing 40 long	2
22	253.2138	Spacer 42,5 long	2
23	253.2142	Washer 30/20,1/3	2
24	253.2144	Rubber ring 36/28/8	2
25	253.1035	Right crankcase cover	1
26	900.1652	Lens head countersunk screw M 6X30 DIN 91	2
27	900.1603	Lens head countersunk screw M 6X40 DIN 91	1

13

REAR SUSPENSION SHOCK ABSORBER



SEARS MOTOR CYCLE — MODEL 810.94222

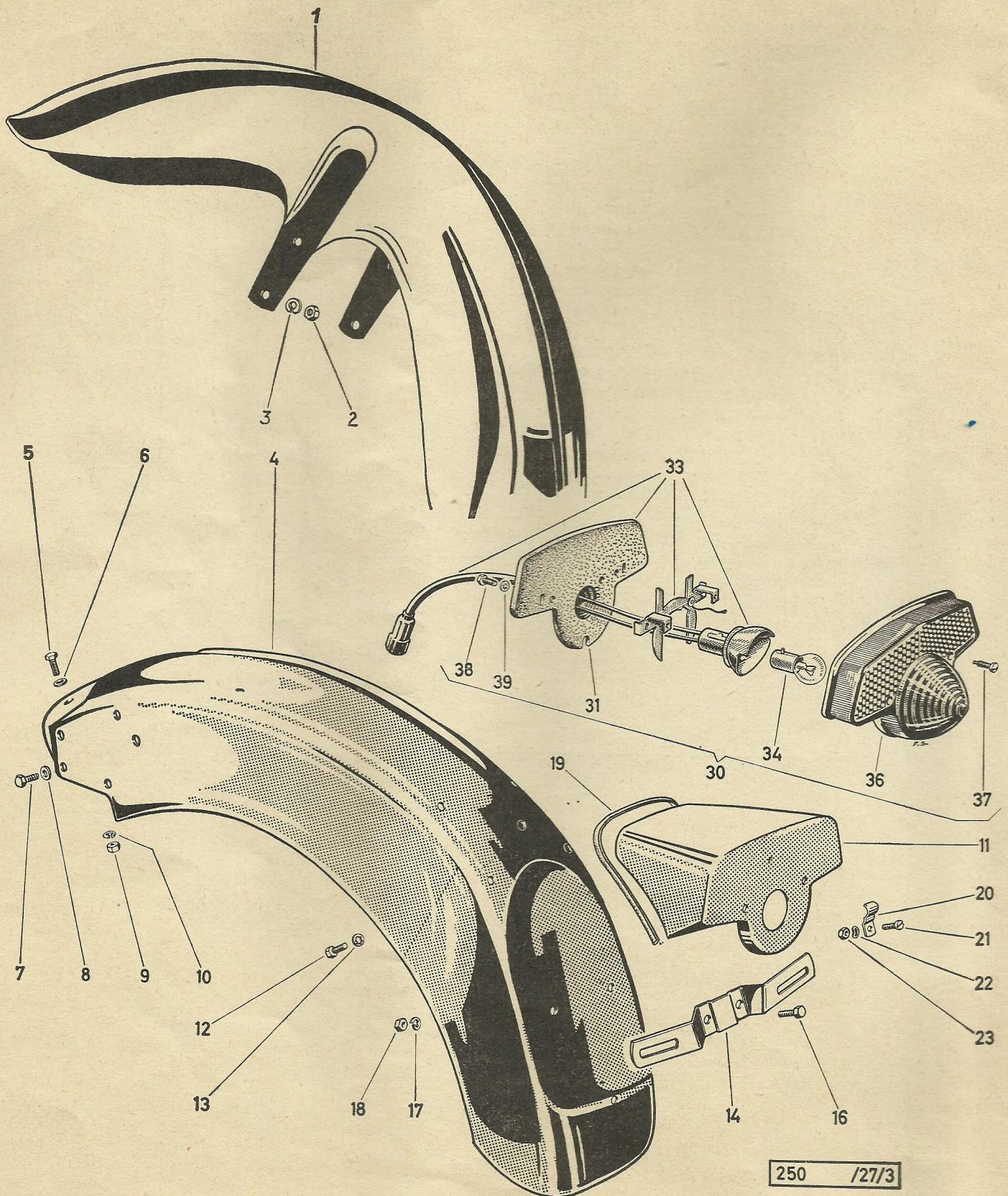
REAR SUSPENSION SHOCK ABSORBER

13

Ref. No.	Part No.	Description	Requd. No.
—	253.3.2150.0	Shock absorber complete	2
1	253.3.2151	Top strut head	2
2	253.2.2172	Buffer disc 8 mm dia. X 17 mm dia.	2
3	253.2.2175	Felt ring 14,5/9,5/5	2
4	253.2.2152	Seal screw	2
5	253.2.2161	Rubber ring 3 mm dia. X 27 mm dia.	2
6	128.2179	Grooved ring seal	2
7	253.2.2181	Compressing washer	2
8	253.2.2180	Compressing spring	2
9	253.2.2156	Guide sleeve	2
11	253.2.2184	Spacer	2
12	253.2.2182	Spring washer	2
13	253.4.21.077.1	Ring valve (disc 17/10,7/0,6) (replaces 253.2.2177)	2
14	253.4.21.062.0	Damper piston complete (with piston ring)	2
14a	253.4.21.059.1	Piston ring	2
15	900.3207	Spring washer A 7 DIN 137	2
16	253.3.2163	Nozzle screw	2
17	253.2.2164	Damper cylinder	2
18	253.2.2165.2	Bottom plug	2
19	253.2153	Silent bloc 22 mm dia., 24 long	2
20	253.2173	Top joint bolt (M 12, 60 long)	2
21	253.2.2166	Pressure spring (50 mm dia., 210 long)	2
22	253.2.2169	Top covering (65 mm dia., 115 long)	2
23	253.2.2187	Felt ring (strip 3,5X5X190)	2
24	253.2.2168.2	Bottom covering tube	2
25a	253.3.2171	Sleeve	2
26a	253.3.2154	Bottom strut head	2
27	900.1948	Threaded pin M 5X12 DIN 553	2
28	253.2174	Bottom joint bolt (M 12X1,5, 47 long)	2
29	253.2176	Locking plug	2

14

FENDERS, TAIL-STOP-LIGHT GROUP



SEARS MOTOR CYCLE — MODEL 810.94222

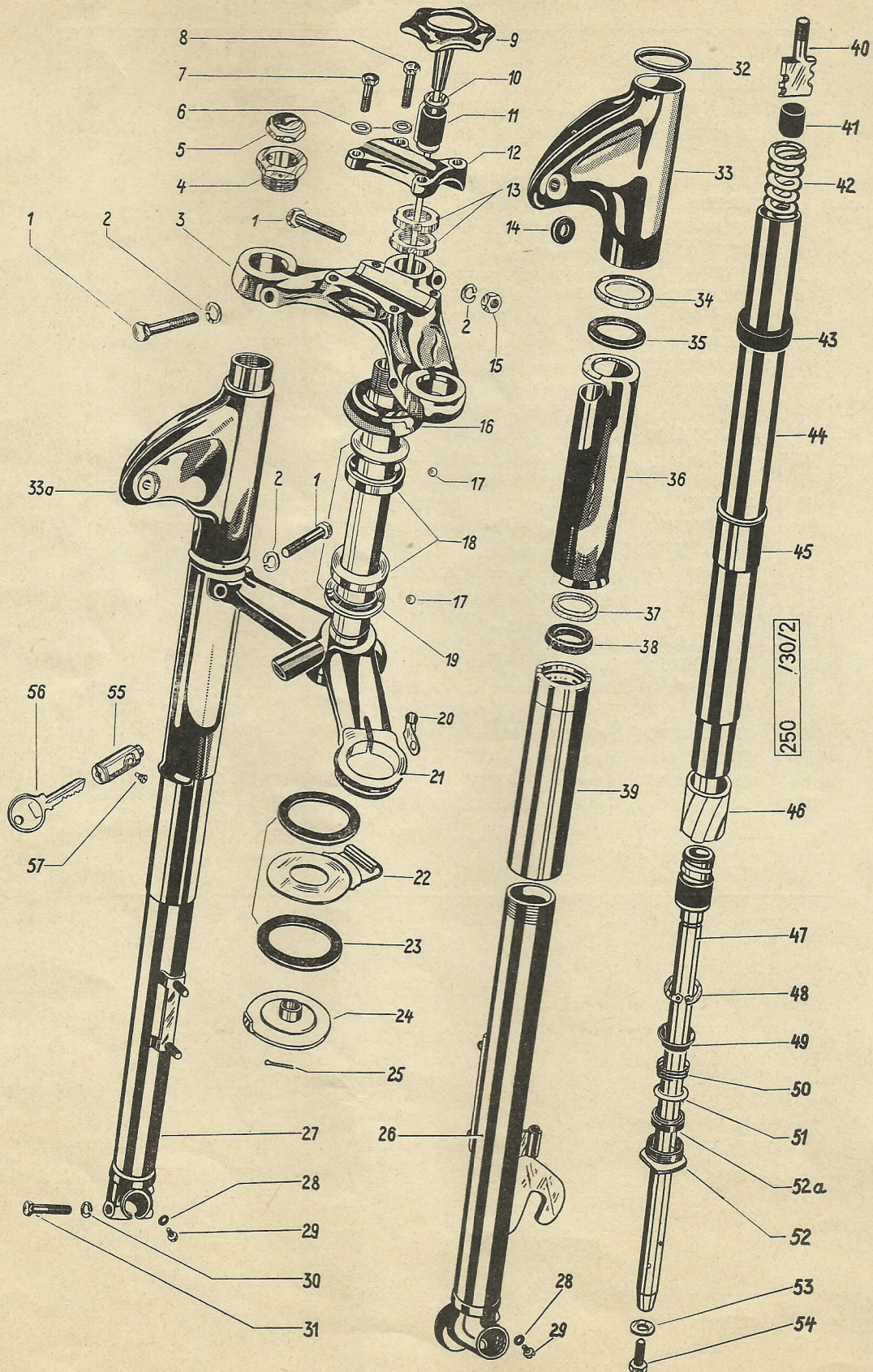
FENDERS, TAIL-STOP-LIGHT GROUP

14

Ref. No.	Part No.	Description	Requd. No.
1	270.2700.2/30	Front fender (black)	1
2	24774	Hexagon nut M 7 DIN 934	4
3	29189	Spring ring B 7 DIN 127	4
4	270.2.27.010.2/30	Rear fender (black)	1
5	900.1108	Hexagon head screw M 6X20 DIN 933	4
6	28909	Washer 14/6,5/1	4
7	24928	Hexagon head screw M 6X15 DIN 933	14
8	900.3937	Washer 12/6,4/0,75	10
9	900.2106	Hexagon nut M 6 DIN 555	14
10	26834	Spring ring B 6 DIN 127	14
11	270.1.27.015.2/30	Tail-stop-light bracket (black)	1
12	23319	Hexagon head screw M 5X12 DIN 933	4
13	22803	Toothed lock washer J 5,3 DIN 6797	4
14	364.1.55.820.1	Number plate bracket	1
16	25399	Hexagon head screw M 6X10 DIN 933	2
17	26834	Spring ring B 6 DIN 127	2
18	900.2106	Hexagon nut M 6 DIN 555	2
19	101.1.2643.1	Edging for headlamp bracket	per meter
20	101.1.3041	Retaining spring	
21	900.1332	Fillister head screw M 4X8 DIN 84	as requd.
22	900.3202	Spring washer A 4 DIN 137	
23	24771	Hexagon nut M 4 DIN 934	1
30	364.1.55.800.0	Tail-stop-light compl.	
31	364.1.55.809.1	Base	1
33	364.1.55.819.9	Bulb holder compl. with base	1
34	902.0733	Twin-filament bulb 6 V 18/6 Watt	1
36	364.1.55.806.2	Tail-stop-light body	1
37	364.1.55.807.1	Fixing screw 3/16"	2
38	364.1.55.808.1	Hexagon bolt 3/16"	2
39	22803	Toothed washer J 5,3 DIN 6797	2

15

FRONT FORK AND STEERING ASSEMBLY



FRONT FORK AND STEERING ASSEMBLY

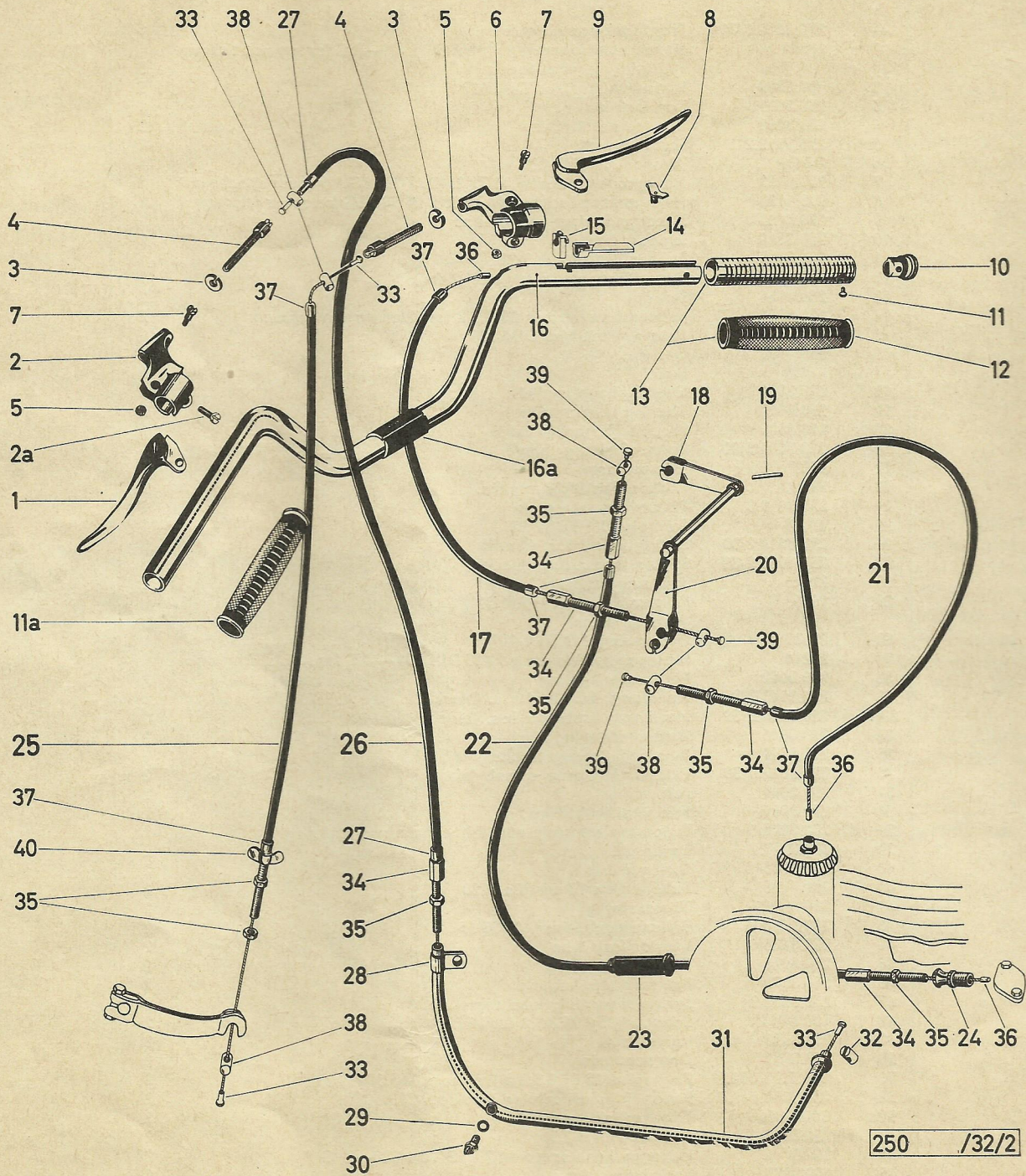
15

Ref. No.	Part No.	Description	Requd. No.
—	270.3000.0/30	Front fork complete (black)	1
1	27397	Hexagon head screw M 8X40 DIN 931—8 G for top and bottom bridge pieces of fork	5
2	900.3209	Spring washer A 8 DIN 137	5
3	253.3001	Top fork lug	1
4	250.3011	Top joint of fork leg	2
5	250.3012.2	Screw cover	2
6	24796	Washer 7,4 DIN 125	4
7	900.1161	Hexagon head screw M 7X25 DIN 933-8G for cover attachment	2
8	900.1138	Hexagon head screw AM 7X30 DIN 931-8G for cover attachment	2
9	170.3105	Steering damper control disc	1
10	250.3118	Support disc	2
11	250.3107	Rubber buffer 19/6,3/22	1
12	253.3002	Cover for top bridge piece of fork	1
13	250.3104	Slot nut	2
14	126.3048	Rubber base washer 20/9,5/2 for headlamp attachment	2
15	24775	Hexagon nut M 8 DIN 934	1
16	250.3103	Dust cap	1
17	22751	Ball 1/4"	36
18	250.3101	Steering bearing shell	2
19	250.3102	Steering bearing cone	2
20	128.6305	Shackle (for brake cable)	1
21	253.3004.2/30	Bottom fork lug (black)	1
22	250.3108.2	Damper arm	1
23	29021	Friction disc 61/39 mm dia.	2
24	250.3110.2	Bottom pressure plate	1
25	27039	Split pin 2X12 DIN 94	1
26	253.3014.2/30	Sliding tube l. h. s. (black)	1
27	253.3015.2/30	Sliding tube r. h. s. (black)	1
28	21526	Seal ring 9/5,3/1	2
29	1426	Fillister head screw AM 5X8 DIN 84 for oil drain	2
30	29189	Spring ring B 7 DIN 127	1
31	24218	Hexagon head screw M 7X35 DIN 931 — 8 G for rightsliding tube	1
32	250.3042	Top centering ring	2
33	250.3043.2/30	Headlamp bracket l. h. s. (black)	1
33a	250.3044.2/30	Headlamp bracket r. h. s. (black)	1
34	250.3041	Bottom centering ring	2
35	250.3040	Intermediate ring (rubber) 48/33/4,5	2
36	250.3037.0/30	Exterior fork tube compl. (black)	2
37	250.3049	Felt washer	2
38	250.3029	Seal washer (rubber)	2
39	250.3027.0	Union nut complete with felt washer and seal ring	2
39	250.3027.2	Union nut	2
40	250.3035	Spring gusset	2
41	250.3036	Rubber plug 18 mm dia. X 20	2
42	250.3034	Thrust spring	2
43	253.1.3039	Buffer ring (rubber) 45/33/15	2
44	253.3008	Interior fork tube	2
45	250.3026	Top guide bushing	2
46	250.3009	Bottom guide bushing	2
47	253.3030.2	Spring supporting tube compl.	2
48	900.4723	Snap ring Sg 24X1,2 DIN 472	2
49	253.3053	Valve stop	2
50	253.3052	Damper spring	2
51	253.2.30.051.1	Ring valve 23,6/18,5/0,3 (replaces 253.3051)	2
52	253.2.30.010.1	Bottom joint of fork leg (replaces 253.3010)	2
52a	900.3866	Grooved ring sleeve	2
53	250.3025	Washer 17/7,5/2,5	2
54	26422	Hexagon head screw M 7X15 DIN 933—8 G	2
55	100.3023	Lock (with 2 keys)	1
56	100.3028	Spare key (please, quote key number!)	—
57	100.3025	Notched screw	—

SEARS MOTOR CYCLE — MODEL 810.94222

16

HANDLEBAR, BOWDEN CABLES



250 /32/2

SEARS MOTOR CYCLE — MODEL 810.94222

HANDLEBAR, BOWDEN CABLES

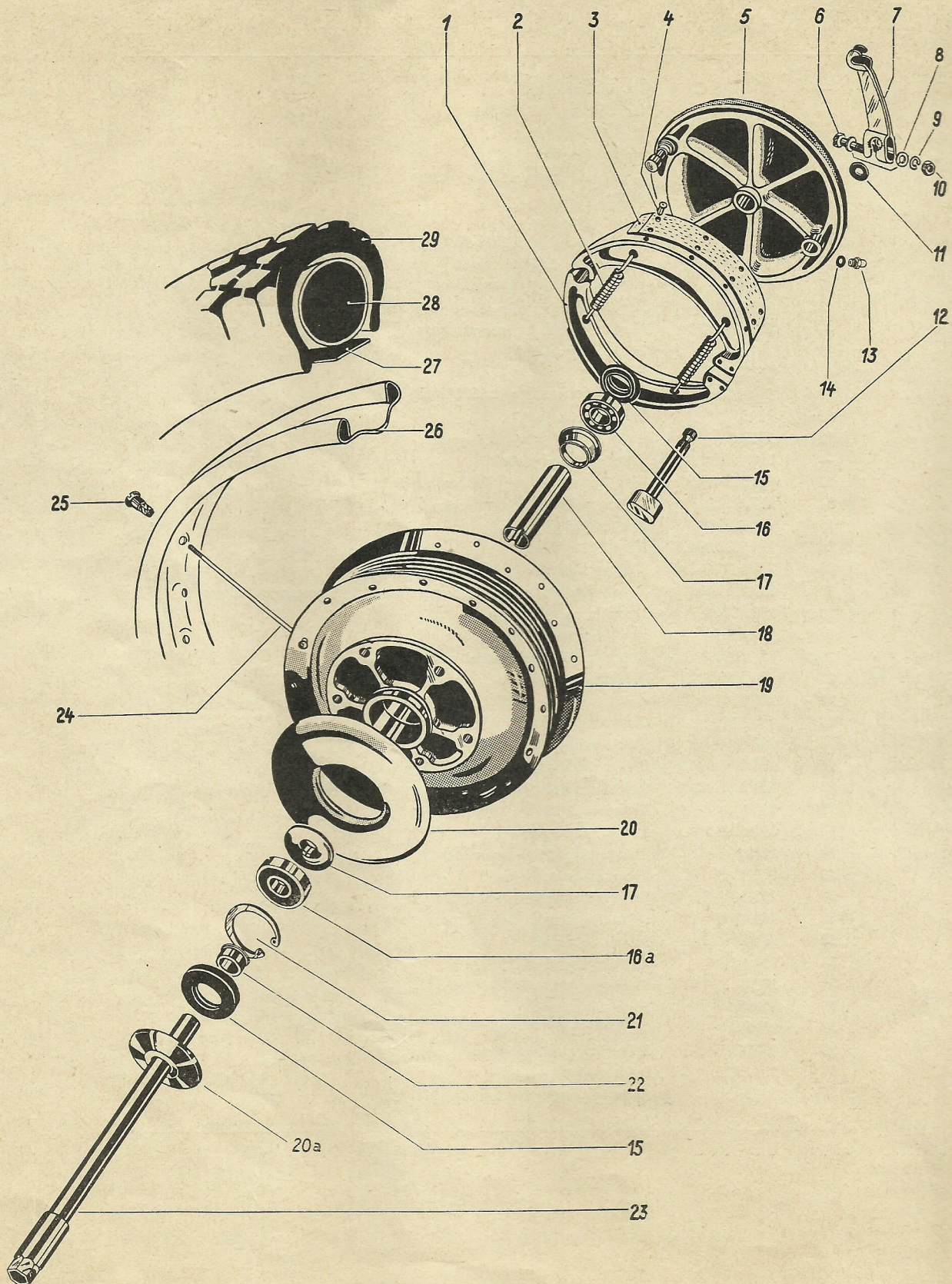
16

Ref. No.	Part No.	Description	Requd No.
—	270.4.32.000.0	Handlebar compl.	1
—	253.2.3204.0	Hand lever, left, compl.	1
1	253.2.3204	Hand lever, left	1
2	253.2.3205	Hand lever bracket, left	1
2a	050.3222	Lens head screw M 6X15 (identical with 253.2.3206)	2
3	253.2.3209	Adjusting nut	2
4	253.2.3208	Adjusting screw	2
5	24772	Hexagon nut M 5 DIN 934	2
6	253.2.3203	Hand lever bracket, right	1
7	050.3214	Hand lever pivot screw (identical with 253.2.3207)	2
8	050.3225.2	Braking spring with screw (identical with 253.2.3211.2)	1
—	253.2.3202.0	Hand lever, right, compl.	1
9	253.2.3202	Hand lever, right	1
10	253.2.3219	End plug	1
11	900.1405	Countersunk screw M 5X10 DIN 63	1
11a	25487	Fixed rubber grip	1
12	27577	Rubber handle for twist grip	1
—	253.2.3215.0	Twist grip complete	1
13	253.2.3215.2	Twist grip tube with rubber handle	1
14	253.2.3216	Sliding core	1
15	253.2.3218	Control cable support	1
16	270.1.32.001.1	Handlebar tube	1
16a	270.1.30.003.1	Clamp rubber	1
17	253.2.60.000.2	Distributor control cable compl. (wire 599, covering 480 mm)	1
18	253.6004.2	Lever for oil pump cable	1
19	250.6005	Pin 2 mm dia., 25 long	1
20	253.6001.2	Lever for throttle control cable	1
21	254.1.6500.2	Throttle control cable compl. (wire 366, covering 210 mm)	1
22	253.6100.2	Oil pump cable compl. (wire 626, covering 460 mm)	1
23	250.6103	Cable socket	1
24	250.6105	Threaded nipple M 10X1	1
25	253.3.63.000.2	Brake cable compl. (wire 1124, covering 855 mm)	1
26	253.3.62.000.2	Clutch control cable compl. (wire 1349, covering 795 mm)	1
27	250.6204	Reducing shell	2
28	250.6207	Shackle for tube	1
29	18931	Washer 10/6,5/1,5 (as required)	1
30	26821	Pressure grease nipple	1
31	250.6205.2	Tube for clutch control cable	1
32	250.6208	Soldering nipple support, slot	1
33	26569	Soldering nipple	4
34	250.6010	Adjusting screw (M 7)	5
35	24774	Hexagon nut M 7 DIN 934	7
36	24385	Soldering nipple	3
37	25483	Cable sleeve C 3 DIN 71987	8
38	24384	Soldering nipple support	6
39	250.6503	Soldering nipple	3
40	16639	Adjusting screw for brake cable (M 7)	1

SEARS MOTOR CYCLE — MODEL 810.94222

17

FRONT WHEEL



SEARS MOTOR CYCLE — MODEL 810.94222

FRONT WHEEL

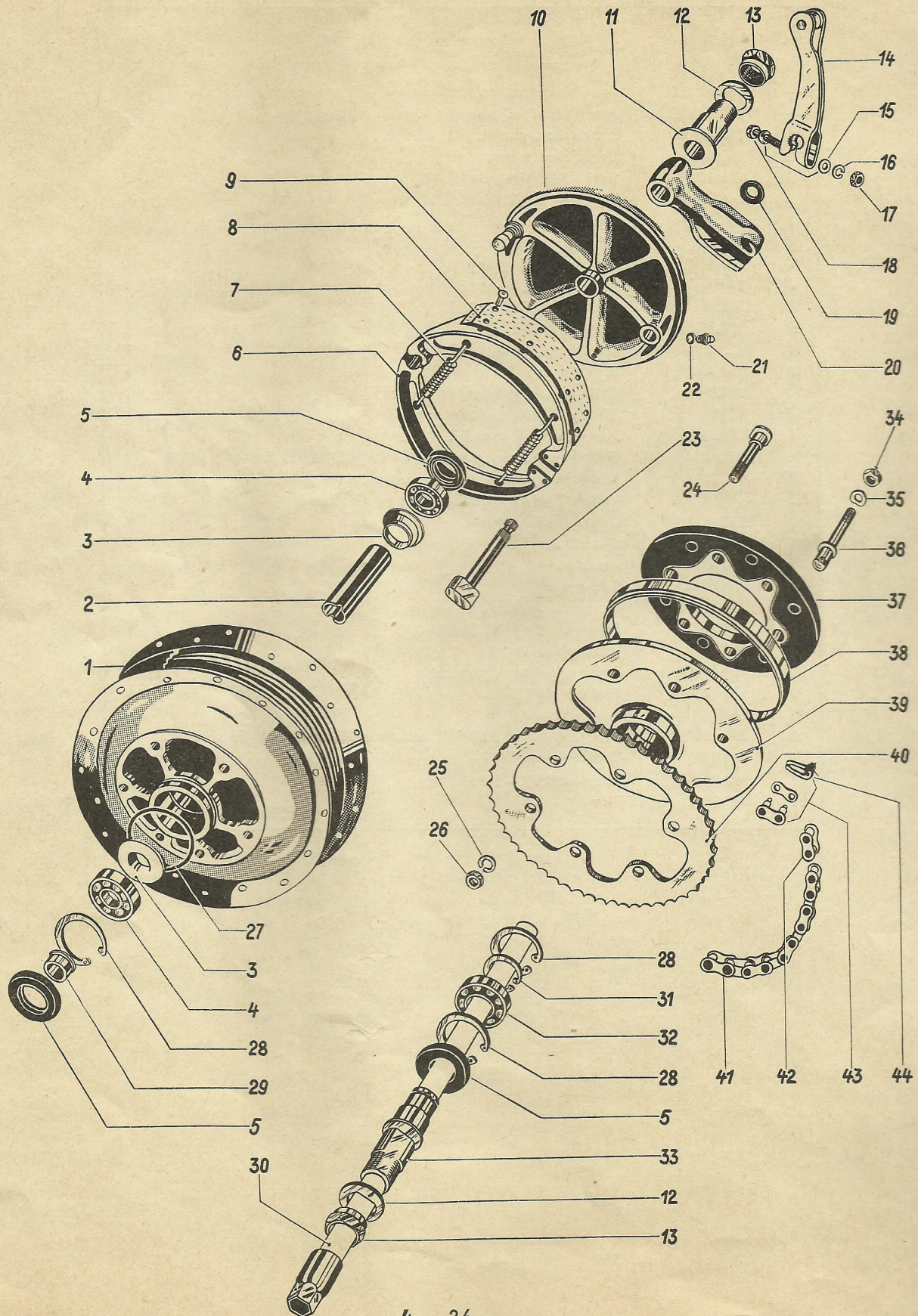
17

Ref. No.	Part No.	Description	Requd. No.
—	253.4000.0	Front wheel compl. (without tires) with chrome plated rim	1
—	253.4002.0	Front wheel full hub compl. with interior parts	1
1	253.4015.0	Brake shoes compl. with lining	1
2	175.4119	Brake shoe spring	2
3	253.4017	Brake lining	2
4	26814	Tubular rivet 3 mm dia. X 8	16
5	253.4107	Brake cover plate	1
6	22872	Hexagon head screw M 6X30 DIN 931	1
7	175.4011.2	Brake operating lever	1
8	24795	Washer 6,4 DIN 125	2
9	26834	Spring ring B 6 DIN 127	1
10	900.2106	Hexagon nut M 6 DIN 555	1
11	250.4010	Seal ring 22/11/3 (rubber)	1
12	253.4009	Brake cam	1
13	26821	Pressure grease (alemite) nipple	1
14	18931	Washer 6,5/10/1,5 (as required)	1
15	253.4021	Seal washer 47 mm dia. (rubber)	2
16	900.6204	Deep-row ball bearing 6204 47/20/14 DIN 625 (left-hand side)	1
16a	900.6214	Deep-row ball bearing with cover plate 6204 Z 47/20/14 DIN 625 (right-hand side)	1
17	253.4124	Guide disc 47 mm dia.	2
18	253.4123	Spacer, 58 long	1
19	253.4103	Brake hub	1
20	253.4020	Side cover	1
20a	253.1.4019	Cover disc 64 mm dia.	1
21	900.4747	Snap ring Sg 47X1,75 DIN 472	1
22	253.4117	Intermediate ring	1
23	250.4026.2	Front wheel axle (stub axle)	1
24	253.4130	Spoke M 4X103	36
25	26669	Nipple M 4	36
26	253.4133	Drop center rim 1,85 BX16 chrome (identical with 254.4133)	1
27	900.0830	Chasing strip 16"	1
28	900.0849	Inner tube 3½—16"	1
29	900.0848	Tire 3½—16"	1

SEARS MOTOR CYCLE — MODEL 810.94222

18

REAR WHEEL, REAR CHAIN



SEARS MOTOR CYCLE — MODEL 810.94222

REAR WHEEL, REAR CHAIN

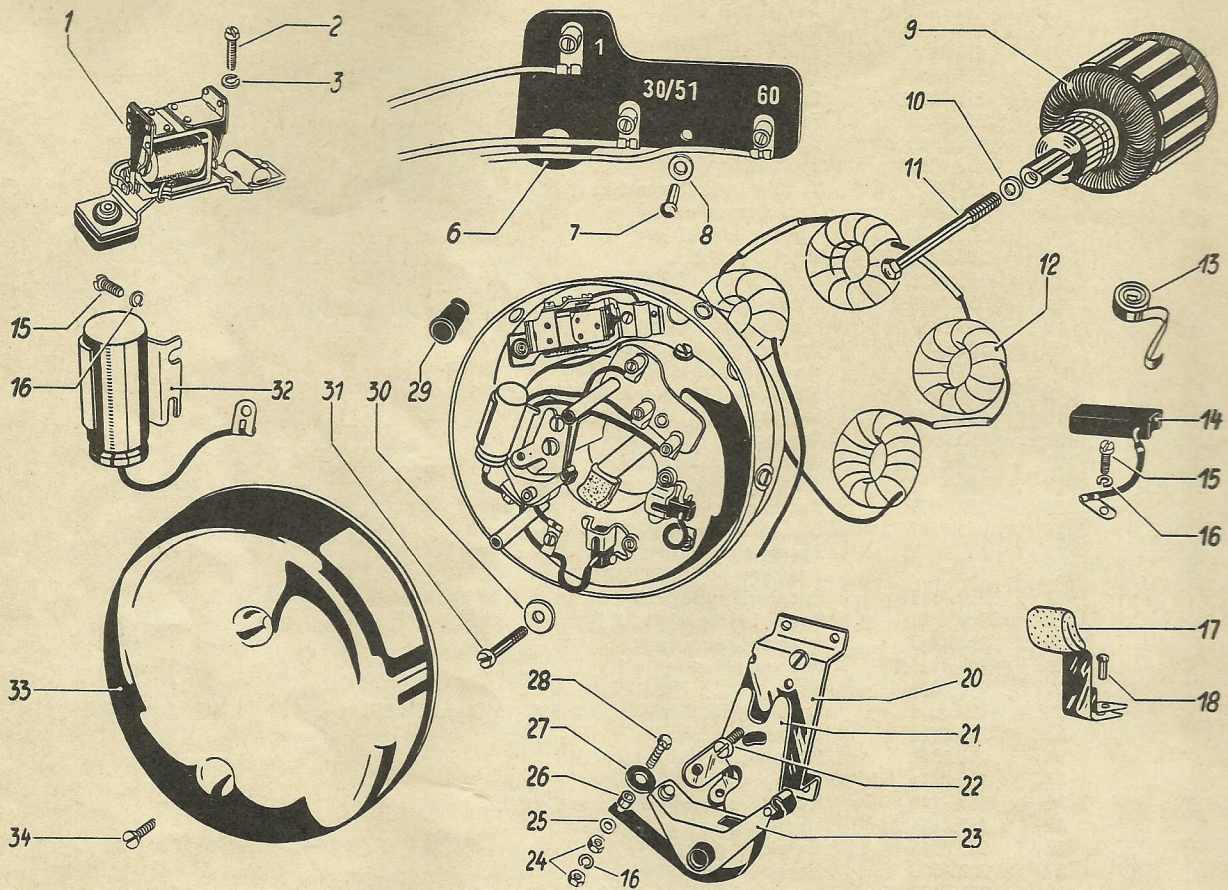
18

Ref. No.	Part No.	Description	Requd. No.
—	253.4100.0	Rear wheel compl. (without tire) with rim chrome plated	1
—	253.4102.0	Rear wheel full hub compl. (with interior parts and flexible coupling)	1
1	253.4103	Brake hub	1
2	253.4123	Spacer tube, 58 long	1
3	253.4124	Guide disc 47	2
4	900.6204	Deep-row ball bearing 6204 47/20/14 DIN 625	2
5	253.4021	Seal ring 47 mm dia. (rubber)	3
6	253.4015.0	Pair of brake shoes with lining	1
7	175.4119	Brake shoe spring	2
8	253.4017	Brake lining	2
9	26814	Tubular rivet 3 mm dia. x8	16
10	253.4107	Brake cover plate	1
11	253.4121	Clamp shell left	1
12	253.4139	Disc 40 mm dia.	2
13	253.4125	Collar nut (M 27X1,5)	2
14	253.4111.2	Brake operating lever	1
15	24795	Washer 6,4 DIN 125	2
16	26834	Spring ring B 6 DIN 127	1
17	24773	Hexagon nut M 6 DIN 934	1
18	26427	Hexagon head screw M 6X35 DIN 933	1
19	250.4010	Seal ring 22/11/3 (rubber)	1
20	253.2.4120	Brake stop	1
21	26821	Pressure grease (alemite) nipple	1
22	18931	Washer 6,5/10/1,5 (as required)	1
23	253.4009	Brake cam	1
24	253.4118	Bolt (M 8) for flexible coupling	6
25	26819	Spring ring B 8 DIN 127	6
26	24775	Hexagon nut M 8 DIN 934	6
27	250.4115	Rubber ring 55/50/3	1
28	900.4747	Snap ring Sg 47X1,75 DIN 472	3
29	253.4117	Intermediate ring	1
30	253.4126.2	Rear wheel axle	1
31	900.4625	Snap ring Sg 25X1,2 DIN 471	1
32	900.6005	Deep-row ball bearing 6005 47/25/12 DIN 625	1
33	253.4122	Clamp shell right	1
34	900.2108	Hexagon nut M 8 DIN 555	6
35	900.3211	Spring washer B 8 DIN 137	6
36	253.4110	Flexible coupling fixing bolt (M 8)	6
37	253.4114.2	Flexible coupling	1
38	253.4119	Covering ring	1
39	253.4108	Flange	1
40	253.4109	Rear chain sprocket (46 teeth) (serie)	1
40	175.4109	Rear chain sprocket (44 teeth)	—
	404.1.41.145.1	Rear chain sprocket (45 teeth)	—
	260.4109	Rear chain sprocket (48 teeth)	—
—	253.4130	Spoke M 4X103	36
—	26669	Nipple M 4	36
—	253.4133	Drop center rim 1,85 BX16, chrome plated (identical with 254.4133)	1
—	900.0830	Chasing strip 16"	1
—	900.0849	Tube 3½—16"	1
—	900.0848	Tire 3½—16"	1
41	253.2810.0	Rear chain ½X5/16"	1
—	407.1.28.214.0	Driving chain ½X5/16", 14 rollers, with connecting link to lengthen of the driving chain	—
42	28429	Roller block	1
43	28421	Connecting link	2
44	28425	Connecting link spring	1

SEARS MOTOR CYCLE — MODEL 810.94222

19

GENERATOR



SEARS MOTOR CYCLE — MODEL 810.94222

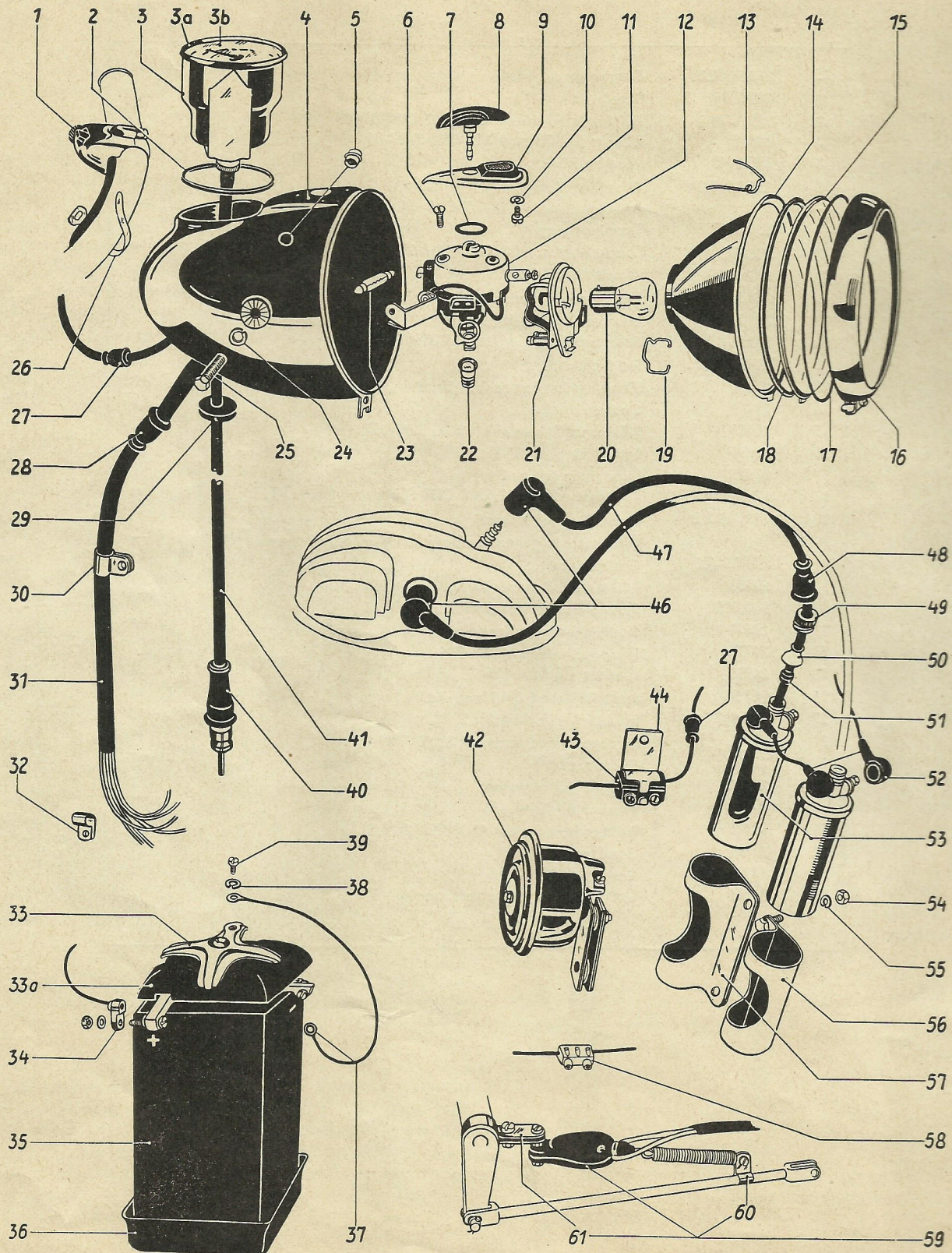
GENERATOR

19

Ref. No.	Part No.	Description	Requd. No.
—	270.5004.0	Generator complete	1
1	251.2.5007.2	Regulator	1
2	900.1328	Fillister head screw AM 4X12 DIN 84	1
2	25433	Fillister head screw AM 4X6 DIN 84	1
3	900.3941	Washer 9/5/0,1	1
6	250.5009.2	Terminal plate	1
—	27453	Attachment screw M 4,5X7,5 } for terminal	—
—	250.5313	Terminal plug } plate as requ.	—
7	28183	Round head rivet 3,5X8 DIN 660	1
8	900.3003	Washer 9/3,7/0,5	1
9	250.5005.2	Armature with winding	1
10	250.5024	Intermediate nut (M 8)	1
11	28161	Armature fastening bolt M 8X65 — 10 K	1
12	250.5008.2	Field coil compl.	1
13	27440	Thrust spring for carbon brush	2
14	27449	Carbon brush	2
15	25433	Fillister head screw AM 4X6 DIN 84	5
16	22796	Spring ring B 4 DIN 127	5
17	27475	Lubricator felt pad	1
18	27511	Round head rivet 2,6X4 DIN 660	1
20	253.5013.2	Contact-breaker base (riveted to generator body, only as may be required)	—
21	253.5016.2	Contact plate	1
22	25433	Fillister head screw AM 4X6 DIN 84	1
22	900.3202	Spring washer A 4 DIN 137	1
23	27441	Contact-breaker lever	1
24	24771	Hexagon nut M 4 DIN 934	2
25	24793	Washer 4,3 DIN 125	2
26	253.5019	Insulating shell 6/4,2 mm dia.	1
27	253.5020	Insulating disc 13/6,2/1,5	2
28	23284	Hexagon head screw M 4X20 DIN 933	1
29	27513	Cable socket	1
30	27502	Washer (as required)	2
or	24806	Washer 8,4 DIN 433	2
31	900.1307	Fillister head screw AM 8X20 DIN 84	2
32	27450	Condenser	1
33	171.5012	Cover for Generator	1
34	27460	Lens head countersunk screw AM 4X12 DIN 88	2

20

HEAD LAMP WITH ELECTRIC IDLE GEAR INDICATOR,
SPEEDOMETER, BATTERY, HORN, IGNITION COIL

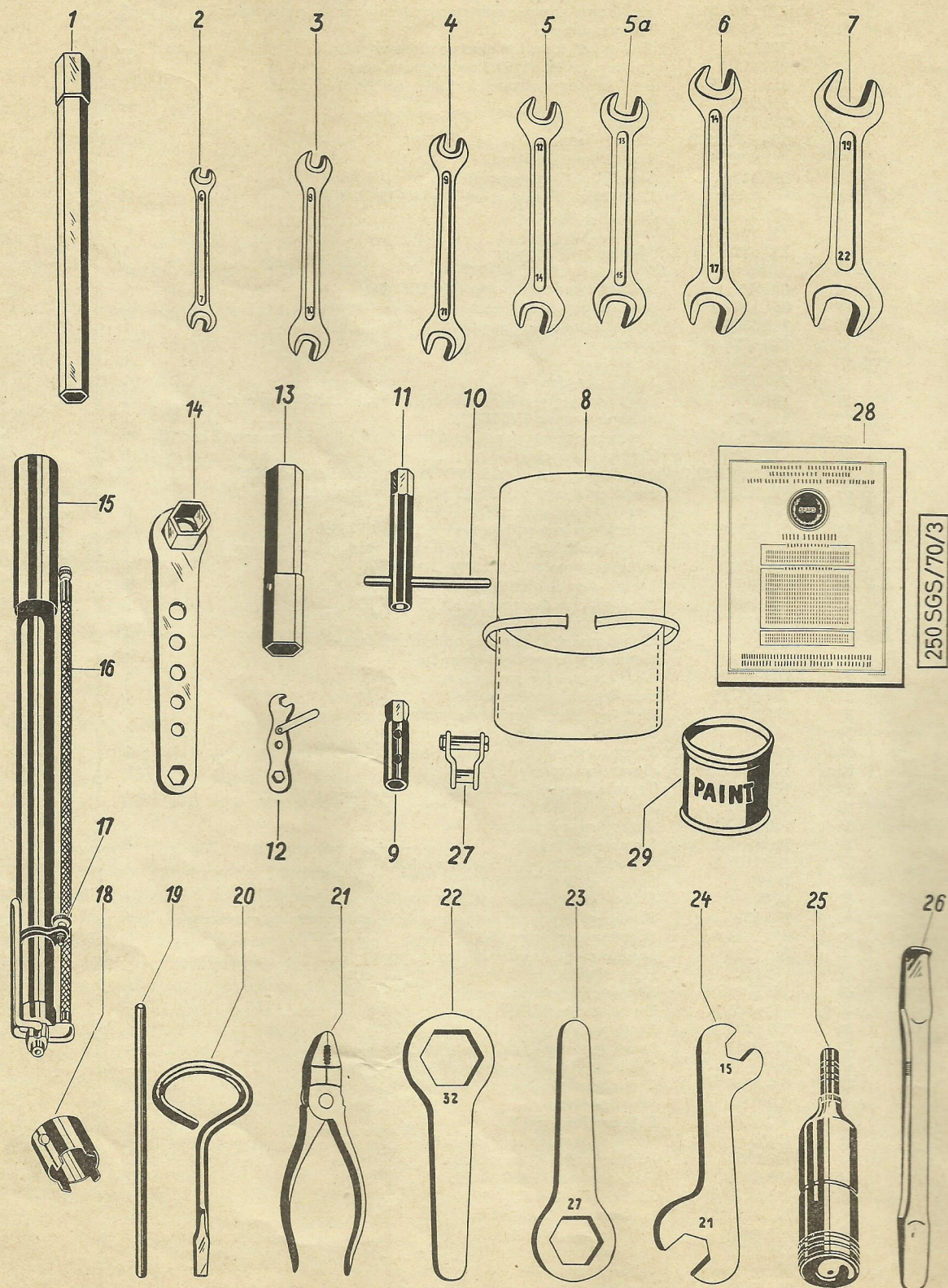


SEARS MOTOR CYCLE — MODEL 810.94222
HEAD LAMP WITH ELECTRIC IDLE GEAR INDICATOR,
SPEEDOMETER, BATTERY, HORN, IGNITION COIL

20

Ref. No.	Part No.	Description	Requid. No.
—	270.5300.0/30	Headlamp compl. with electric idle gear indicator (black)	1
1	126.5320.0	Electric dimmer switch	1
—	900.0710	Cable 670 long for electric dimmer switch	—
2	250.4115	Rubber gasket 55/50/3 for speedometer	1
3	250.5324.9	Built-in speedometer (clockwise rotation) 90 MPH	1
3a	250.5321	Ring	—
3b	250.5322	Glass } for Speedometer as needed	—
4	253.5301.2/30	Headlamp body (black)	1
5	253.5321	Signal light lens (red)	1
5	253.5322	Signal light lens (green)	1
6	900.1408	Countersunk head screw AM 4X10 DIN 63	3
7	171.5310	Seal ring (rubber)	1
8	253.5315	Ignition key	1
9	253.5320	Ignition switch cover	1
10	22796	Spring ring B 4 DIN 127	1
11	25433	Fillister head screw AM 4X6 DIN 84	1
12	253.5317.2	Ignition and light switch	1
13	250.5309	Reflector retaining spring	6
14	270.5308	Reflector	1
15	270.5304	Front lens	1
16	250.5307.2	Headlamp door	1
17	28503	Lens packing washer (rubber) 2 mm dia. X134 mm dia.	1
18	250.5306	Rubber washer 149/159/1,5	1
or	254.1.5311	Rubber washer (U-profile, 160mm dia.) in lieu of the parts 17 and 18	1
19	170.5326	Tightening spring	1
20	407.1.53.012.1	Headlamp bulb 6V/35/35W Philips type BA 15d 6622	1
or	170.2.5312	Headlamp bulb 6 V/25/25 W, Philips type 6612 W or Westinghouse 1000	1
21	171.2.5319.0	Headlamp socket (identical with 270.5319.0)	1
22	171.5311	Panel lamp bulb 6 V/ 2 W (control and idle gear signal lamp)	2
23	901.0751	Tubular lamp M 6 V/ 3 W DIN 72601	1
24	26819	Spring ring B 8 DIN 127	2
25	900.1104	Hexagon head screw M 8X25 DIN 933	2
26	11733	Cable clamp	3
27	27513	Cable socket at dimmer switch and frame	2
28	28664	Cable socket for lighting cable	1
29	28772	Cable socket for speedometer drive	1
30	253.1.5765	Shackle for lighting cable	1
31	270.4.57.000.0	Lighting cable assembly complete	1
32	11686	Shackle for lighting cable	1
33	128.5601	Pressure plate	1
33a	170.5602	Cover for battery	1
34	175.2.56.001.2	Terminal eyelet with cable	1
35	170.5601	Battery BA 6/8/1	1
36	128.5603	Battery support	1
37	21061	Sigma eyelet	6
37	175.5709.2	Ground cable (with Sigma eyelets, 150 long)	1
38	29190	Spring ring B 5 DIN 127	1
39	1426	Fillister head screw AM 5X8 DIN 84	1
40	250.5326	Protective cap for speedometer drive connection on crankcase	1
41	250.5325.0	Speedometer drive shaft	1
—	250.5325	Speedometer drive shaft (core alone)	1
42	170.5604	Horn (Bosch H F 6/7)	1
43	175.5701	Terminal block (separate)	1
44	253.5703.2	Terminal block carrier	1
46	250.5205.2	Cable plug	2
47	900.0717	Spark plug cable (605 resp. 665 long)	—
48	28664	Cable socket for ignition coil (if required)	—
49	900.0745	Outer screw socket	2
50	900.0746	Pressure sleeve	2
51	900.0747	Rubber clamp shell	2
52	25396	Cable socket for ignition coil	4
53	900.0706	Ignition coil 3 V 40 mm dia.	2
54	900.2106	Hexagon nut M 6 DIN 555	2
55	26834	Spring ring B 6 DIN 127	2
56	255.5203.2	Ignition coil shackle	1
57	255.5203	Ignition coil shackle	1
58	170.5307	Soft rubber terminal (single-row), for idle gear indicator and headlamp cable	1
59	253.5520.0	Stoplight switch compl. with shackles	1
60	253.5512.0	Rear shackle complete	1
61	253.5511.0	Front shackle complete	1

21 TOOLS



SEARS MOTOR CYCLE — MODEL 810.94222

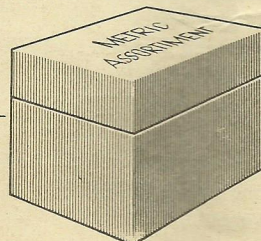
TOOLS

21

Ref. No.	Part No.	Description	Requd. No.
—	253.2.70.010.0	Set of tools complete	1
1	250.7003.2	Box spanner 14/21	1
2	350.1.70.000.1	Spanner 6/7	1
3	350.1.70.005.1	Spanner 8/10	1
4	350.1.70.010.1	Spanner 9/11	1
5	19616	Spanner 12/14 DIN 895	1
5a	900.7011	Spanner 13/15 DIN 895	1
6	350.1.70.025.1	Spanner 14/17	1
7	25512	Spanner 19/22 DIN 895	1
8	22138	Tool roll (skiver)	1
9	250.7008	Box spanner for cylinder head screws	1
10	21089	Grip, 72 long	1
11	25968	Box spanner 11	1
12	17779	Contact breaker spanner and gauge	1
13	253.7001.2	Box spanner for lateral spark plug	1
14	250.7001.2	Box spanner for top spark plug, front and rear stub-axles	1
15	250.7024.2	Tire pump	1
16	150.7023.2	Tire pump tube (290 long) } not included	1
17	250.7025.2	Plug screw	1
18	250.7005	Pronged spanner	1
19	21383	Grip for pronged spanner, 170 long	1
20	21006	Screw driver	1
21	21008	Combination pliers	1
22	250.7006	Spanner, 32 wide, for rear wheel	1
23	250.7009	Spanner, 27 wide, for front fork screw cover	1
24	10183	Wrench 15/21 DIN 895	1
25	250.7050.0	Pressure grease gun	1
26	253.7003	Tire lever	2
27	250.2825.0	Half link	1
28	270.0.00.651.5	Service Manual (Parts List)	1
29	900.0208/10	Touch-up paint, black $\frac{1}{8}$ kg (0,276 lbs) not included	1

40	810.000	Metric Assortment (Nut, bolt and screw Assortment) not included	as requd.
----	---------	--	--------------

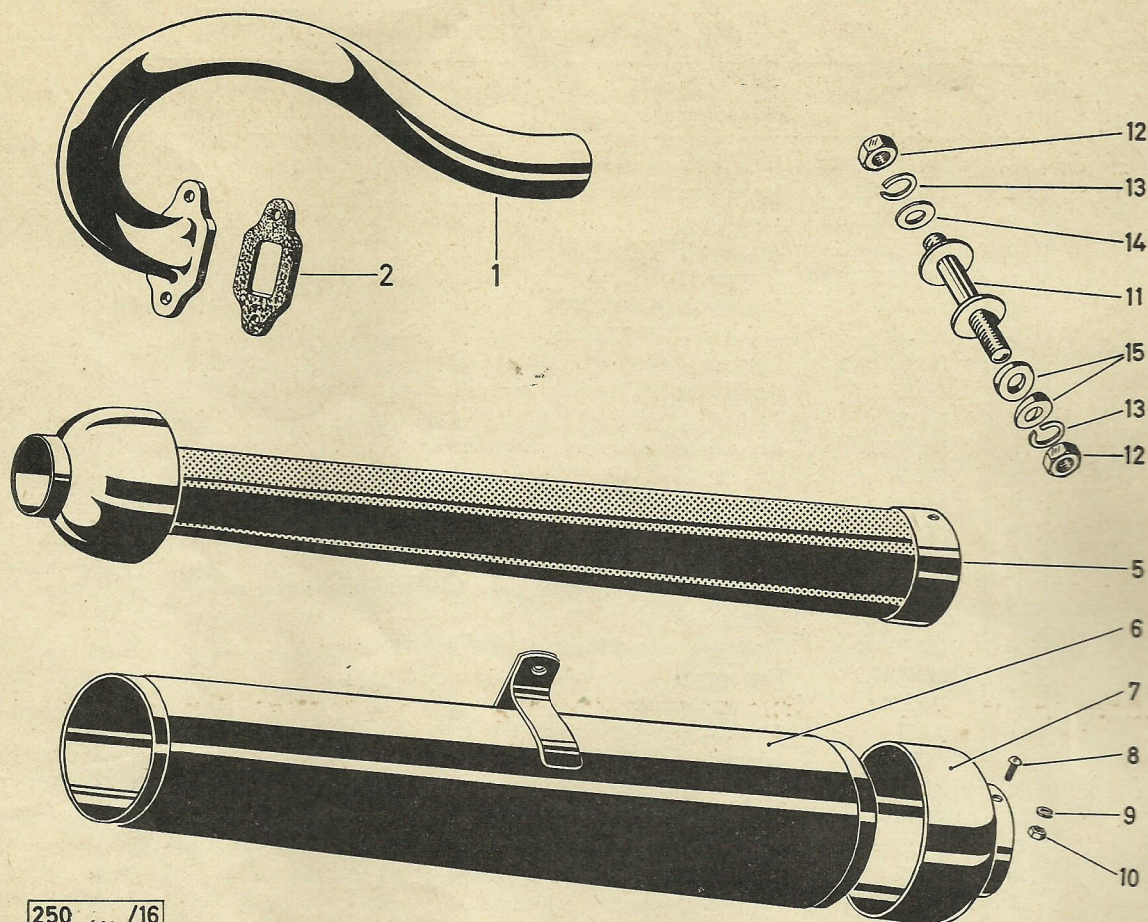
40



SEARS MOTOR CYCLE — MODEL 810.94222

22

ACCESSORY EXHAUST KIT



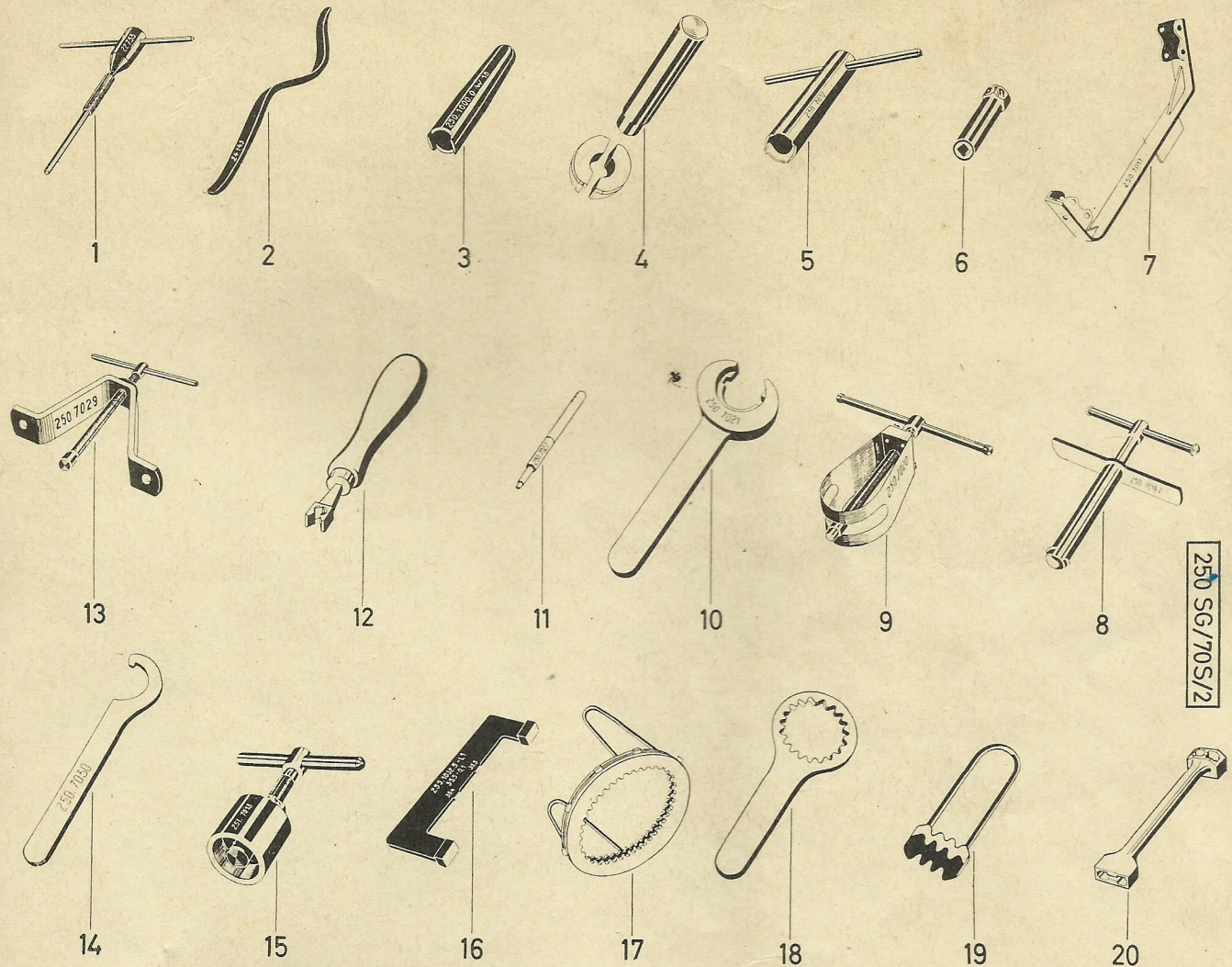
250 ... /16

Ref. No.	Part. No.	Description	Requd. No.
—	403.1.16.000.9	Accessory exhaust kit (Stock number 7533) with all parts as illustrated	
—	403.1.16.008.0	Bourgess left-hand side compl. (with parts 5—10)	1
—	403.1.16.009.0	Bourgess right-hand side compl. (with parts 5—10)	1
1	403.1.16.001.2	Exhaust pipe left-hand side	1
1	403.1.16.002.2	Exhaust pipe right-hand side	1
2	253.3.1605	Gasket for exhaust	2
5	403.1.16.017.2	Center pipe	2
6	403.1.16.008.2	Covering pipe left-hand side	1
6	403.1.16.009.2	Covering pipe right-hand side	1
7	403.1.16.023.2	Exhaust endpiece	2
8	22972	Round-head screw M 5X10 DIN 86	4
9	29190	Spring ring B 5 DIN 127	4
10	900.2105	Hexagon nut M 5 DIN 555	4
11	406.2.16.050.1	Bolt	2
12	24789	Hexagon nut M 10X1 DIN 934	2
13	29192	Spring ring B 10 DIN 127	2
(12)	24775	Hexagon nut M 8 DIN 934	2
(13)	26819	Spring ring B 8 DIN 127	2
14	900.3101	Washer 18/10,5/2	2
15	406.1.16.051.1	Intermediate disc	4

SEARS MOTOR CYCLE — MODEL 810.94222

SPECIAL TOOLS

23



Ref. No.	Part No.	Description	Requd. No.	Ref. No.	Part No.	Description	Requd. No.
1	22733	Dismantling tool (for armature of dynamo)	1	13	250.7029	Crankcase dismantling tool (to be screwed on instead of generator. The screw pressing against crankshaft end separates crankcase halves)	1
2	24143	Tire tool	1	14	905.0.15.001.1	Hooked spanner (for the steering blocking the lock nut on fork end)	1
3	250.1000.0-W18	Protecting sleeve for crankshaft assembly (placed on the left end of crankshaft protects the oil seal)	1	15	251.7013	Dismantling tool M 40X1,5 (for engine sprocket on l. h. side of crankshaft and gear sprocket)	1
4	250.7011.2	Dismantling ring (to push out crankshaft bearing on dynamo side)	1	16	253.1032.5-L 1	Distance gauge for crankshaft (put crankshaft into left half of crankcase, place the gauge on joint face and measure to crankshaft collar. Reduce the play by shims)	1
5	250.7012	Special spanner (for nut on fork stem end)	1	17	253.7014	Clutch hub holder (locking the clutch for unscrewing and tightening the nut)	1
6	250.7015	Square spanner (for cylinder head bolts)	1	18	253.7023	Sprocket holder (retaining the gear sprocket (15 t.) when unscrewing and tightening the nut)	1
7	250.7017	Engine reception yoke (to be clamped in a vice)	1	19	253.7031	Sprocket lock (for locking the primary chain drive when unscrewing the nut of engine sprocket and of clutch hub)	1
8	250.7019.2	Dismantling tool (for removing the oil seal on generator side without dismantling the engine)	1	20	905.0.32.601.2	Regulator adjusting spanner	1
9	250.7020	Tool (for removing and installing Piston Pins)	1				
10	250.7021	Special spanner (for union of telescopic front forks)	1				
11	250.7027	Pin for ignition adjustment (locating the crankshaft in its slot at the moment of ignition)	1				
12	905.1.40.003.0	Spoke spanner	1				

