

Flathead manual series by



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TM 10-1482

War department

Part list

Motorcycle Solo

(Harley-Davidson model WLA)

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Directions for using this book

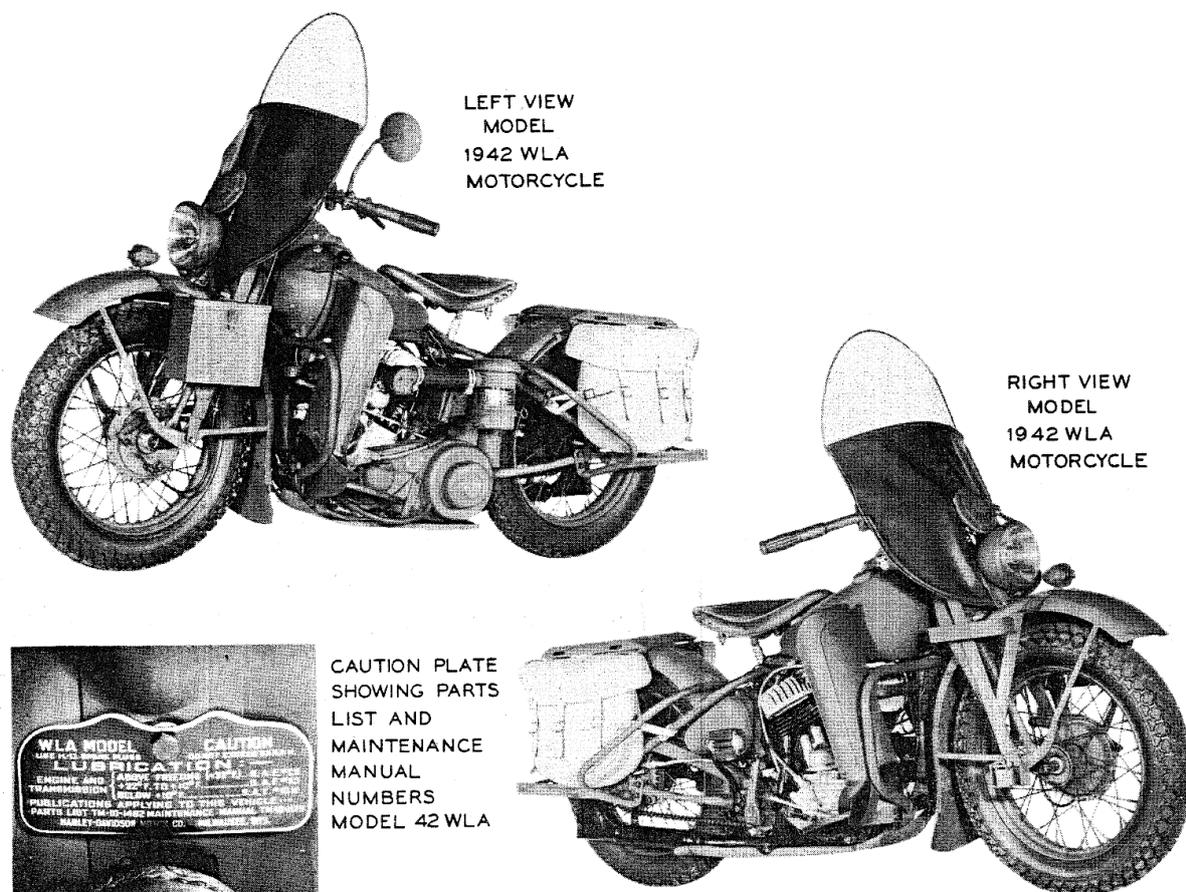


Figure 1 Motorcycle and caution plate

This is an extract of the original TM 10-1482 manual; alphabetical and numerical index have been removed since text can be searched in the PDF.

This book consists of a complete list of all service parts for all the WLA Solo Models built expressly for the U.S. Army. It also includes definite stockage recommendations.

The main section of this book lists all service parts arranged by government group numbers and is fully illustrated.

Immediately following this main section is a listing of all special tools which are used on these models. This list of tools covers tools used in Field Service and also Base Service.

Following the tool list is a numerical list of "O" parts. These "O" parts are screws, nuts, washers, lock washers, steel balls, cotter pins, rivets and grease fittings that may be used in several assembly groups. Sizes are marked for easy identification.

A complete bearing chart is shown at the end.

The ♦ symbol shown before part numbers indicate that these parts are common parts and can be used on regular commercial machines.

Group 2300: Solo windshields and parts

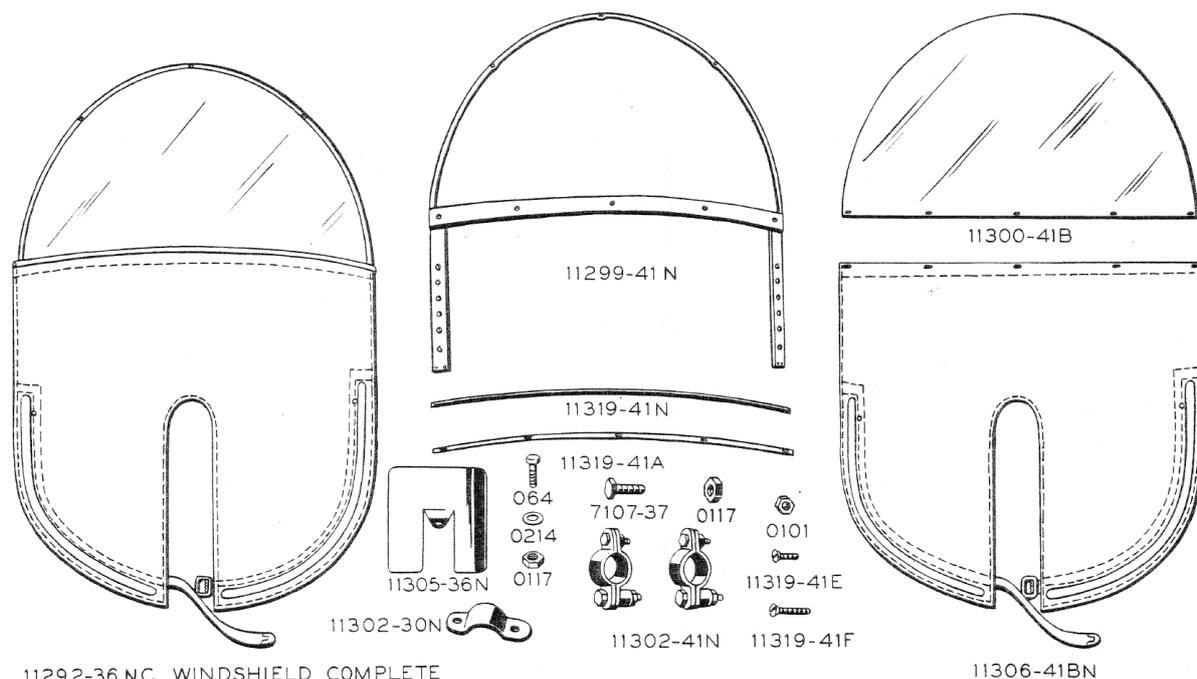


Figure 2 Solo windshields and parts

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
11292-36NC	Windshield, complete	1	1	1
11299-41N	Frame, only	0	0	1
◆ 11300-41B	Window, for shield	0	0	1
11319-41N	Molding, lower shield	0	0	1
◆ 11319-41A	Retainer, for molding	0	0	1
◆ 11319-41E	Screw, short molding	0	0	3
◆ 0101	Nut, molding screw, #6-32 UNC x 7/64", 5/16" AF, hex	0	0	5
◆ 11319-41F	Screw, long molding	0	0	2
11302-41N	Clamps, set handlebar complete	0	0	1
11302-30N	Clamp, for handlebar	0	0	4
◆ 7107.37	Bolt, clamp eye	0	0	2
◆ 0117	Nut, eye bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	0	0	2
◆ 066	Bolt, clamp small, 5/16"-24 UNF x 1", 1/2" AF, hex head	0	0	2
11305-36N	Guard, fork spring	0	0	1
◆ 064	Bolt, fork spring guard, 5/16"-24 UNF x 3/4", 1/2" AF, hex head	0	0	1
◆ 0117	Nut, fork spring guard, 5/16"-24 UNF x 17/64", 1/2" AF, hex	0	0	1
◆ 0214	Washer, fork spring guard, 5/16" x 5/8" x 1/16" plain steel washer	0	0	1
11306-41BN	Apron, complete	0	0	1
11307-41N	Clip, apron	0	0	2

Group 2300: Handlebar windshield and legshields

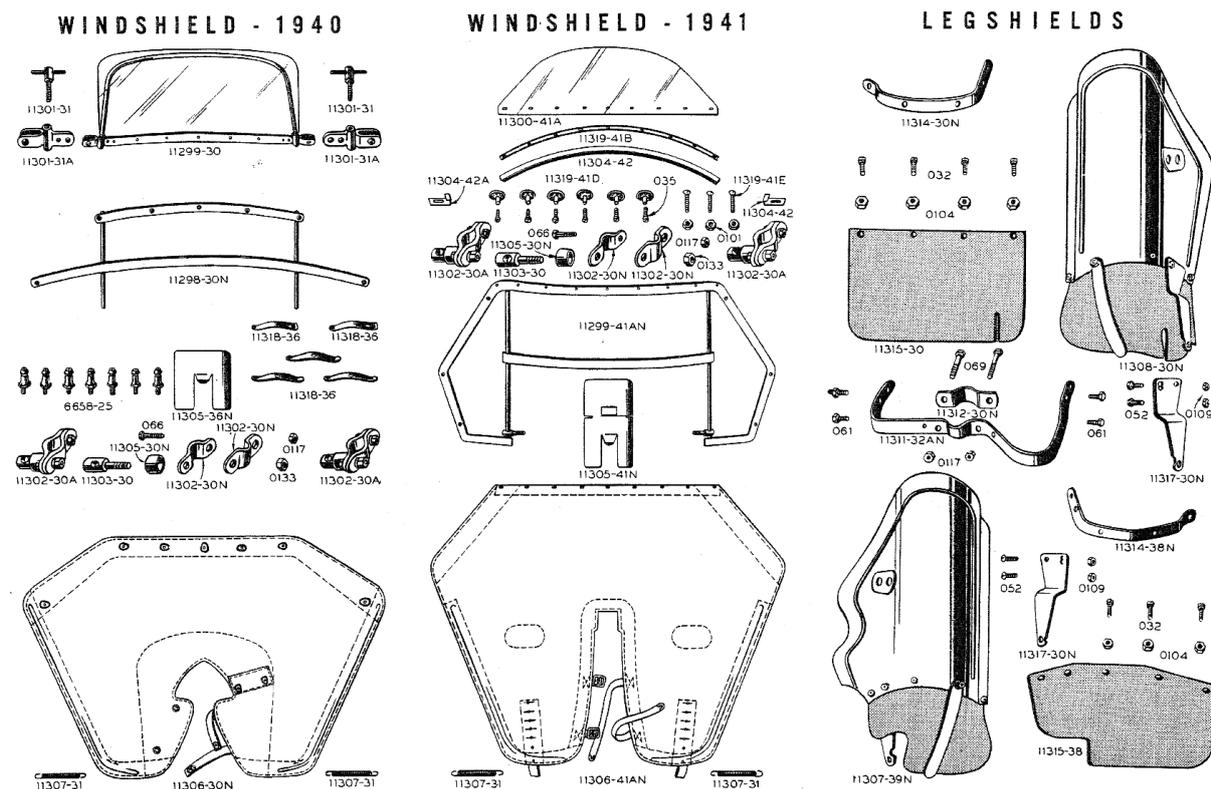


Figure 3 Handlebar windshield and legshields

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
11296-38N	Legshields, complete	1	1	1
11298-30N	Frame, apron	1	0	0
11299-41AN	Frame, apron	0	1	0
◆ 6658-25	Fasteners, lift-the-dot	7	0	0
◆ 11299-30	Window and frame	1	0	0
◆ 11300-30	Window	1	0	0
◆ 11300-41A	Window	0	1	0
◆ 11319-41B	Retainer, molding	0	1	0
◆ 035	Screw, retainer, #10-32 UNF x 3/8", fillister head	0	6	0
◆ 11319-41D	Nut, shield tee	0	6	0
◆ 11419-41E	Screw, molding short, #6-32 UNC x 1/2" flat head	0	3	0
◆ 0101	Nut, molding screw, #6-32 UNC x 7/64", 5/16" AF, hex	0	5	0
◆ 11301-31	Screw, adjusting thumb	2	0	0
◆ 11301-31A	Clamp, thumb screw	2	0	0
◆ 11302-30A	Clamp, set handlebar	1	0	0
11302-30N	Clamp, handlebars	4	4	0
◆ 11303-30	Bolt, clamp eye	2	2	0
◆ 0133	Nut, eye bolt, 7/16"-20 UNF x 3/8", 5/8" AF, hex	2	2	0
◆ 066	Bolt, clamp small, 5/16"-24 UNF x 1", 1/2" AF, hex head	2	2	0
◆ 0117	Nut, clamp bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	2	2	0
11304-42	Rubber, window support	0	0	1
11304-42A	Clip, window rubber	0	0	2
11305-30N	Spacer, eye bolt	2	2	0
11305-36N	Guard, fork spring	1	0	0
11305-41N	Guard, fork spring	0	1	0
11306-30N	Apron, complete	1	0	0
11306-41AN	Apron, complete	0	1	0
◆ 11318-36	Clip, apron	3	0	0
◆ 11318-36A	Clip, apron	2	0	0
◆ 11307-31	Spring, apron	2	2	0

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
11307-39N	Legshield, left	1	1	1
11308-30N	Legshield, right	1	1	1
◆ 061	Bolt, legshield bracket, 5/16"-24 UNF x 1/2", 1/2" AF, hex head	4	4	4
11311-32AN	Bracket, legshield	1	1	1
11312-30N	Clamp, bracket	1	1	1
◆ 069	Bolt, bracket clamp, 5/16"-24 UNF x 1-3/8", 9/16" AF, hex head	2	2	2
◆ 0117	Nut, bracket bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	2	2	2
11314-30N	Strip, legshield flap, right	1	1	1
11314-38N	Strip, legshield flap, left	1	1	1
◆ 11315-30	Flap, rubber, right	1	1	1
◆ 11315-38	Flap, rubber, left	1	1	1
◆ 032	Screw, flap, #10-24 UNC x 5/8", fillister head	5	5	5
◆ 0104	Nut, flap screw, #10-24 UNC x 1/8", 3/8" AF, hex	5	5	5
11317-30N	Bracket, lower	2	2	2
◆ 052	Bolt, lower bracket, 1/4"-24 UNF x 5/8", round head	3	3	3
◆ 0109	Nut, bracket bolt, 1/4"-24 UNF x 7/32", 7/16" AF, hex	3	3	3

Group 2306: Tool kit & equipment

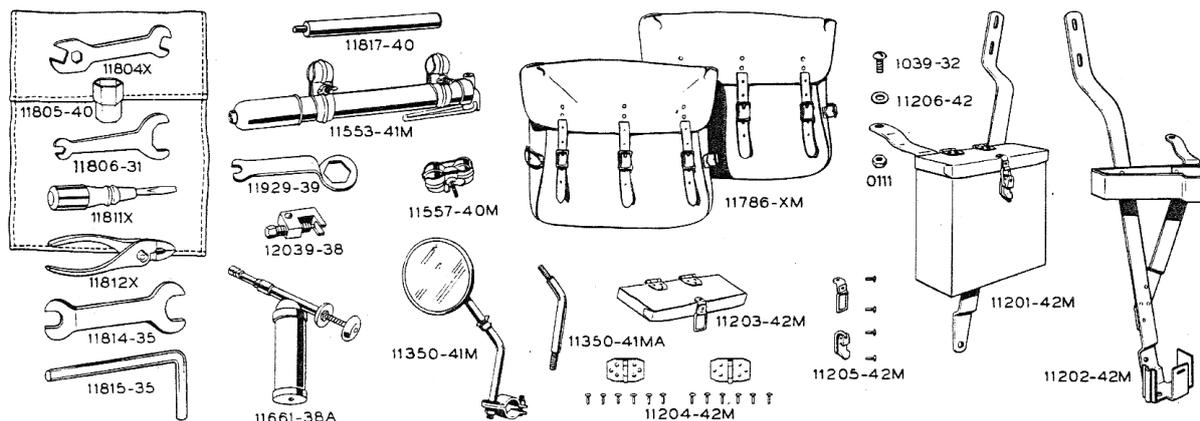


Figure 4 Tool kit & equipment

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 11800-40A	Tool kit, complete	1	1	1
◆ 11804-X	Wrench, 1/2" and 7/16" hexagon	1	1	1
◆ 11805-40	Socket, spark plug	1	1	1
◆ 11808-31	Wrench, 1-3/8" and 7/16"	1	1	1
◆ 11811-X	Screwdriver	1	1	1
◆ 11812-X	Pliers, adjustable	1	1	1
◆ 11814-35	Wrench, 1-3/4" and 3/4"	1	1	1
◆ 11815-35	Wrench, wheel mounting	1	1	1
◆ 11819-XA	Tool roll	1	1	1
◆ 12039-38	Tool, chain	1	1	1
◆ 11551-X	Tire tools, set	1	1	1
◆ 11817-40	Handle, chain tool	1	1	1
◆ 11929-39	Wrench, spark plug	1	1	1
11553-41M	Pump, tire	1	1	1
11557-40M	Clamp, tire pump assembly	2	2	2
◆ 11661-38A	Grease gun, Kleenseal	1	1	1
11350-41M	Mirror, rear view	0	1	1
11350-41MA	Bracket, mirror extension	0	1	1
11786-XM	Saddle bags	0	1	1
11201-42M	Box, sub machine gun, gun ammunition	1	1	1
11202-42M	Bracket, sub machine gun carrier	1	1	1
11203-42M	Cover, complete	1	1	1
11204-42M	Hinges, pair complete	1	1	1
11205-42M	Latch, complete	1	1	1
◆ 1039-32	Screw, mounting bracket	1	1	1
◆ 11206-42	Washer, mounting bracket	1	1	1
◆ 0111	Nut, mounting bracket, 5/16"-18 UNC x 1/4", 1/2" AF, hex	1	1	1

Group 4100: Motor, cylinders & heads

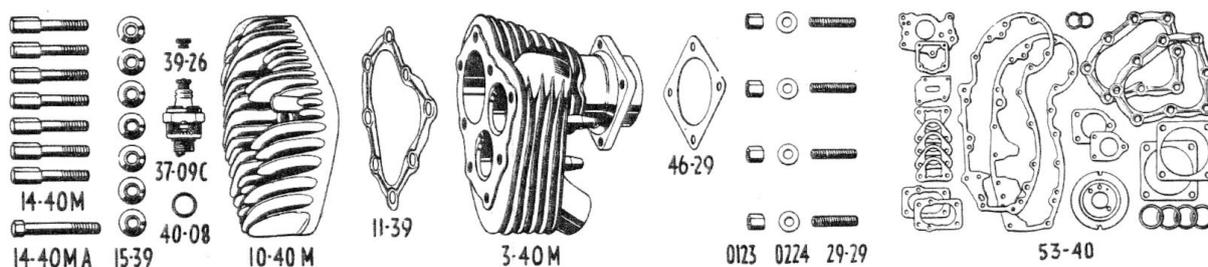


Figure 5 Motor, cylinders & heads

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
1-40M	Motor assembly, complete	1	1	1
2-40M	Cylinder, front	1	1	1
3-40M	Cylinder, rear	1	1	1
9-40M	Head, front cylinder	1	1	1
10-40M	Head, rear cylinder	1	1	1
◆ 11-39	Gasket, cylinder head	2	2	2
14-40M	Bolt, cylinder head, short	14	14	14
14-40MA	Bolt, cylinder head, long	2	2	2
◆ 15-39	Washer, cylinder head bolt	14	14	14
◆ 29-29	Stud, cylinder base	8	8	8
◆ 0123	Nut, cylinder stud, 3/8"-24 UNF x 1/2", 9/16" AF, hex	8	8	8
◆ 0224	Washer, cylinder base stud, 3/8" x 13/16" x 1/16" plain steel	8	8	8
◆ 37-09C	Plug, spark #3	2	2	2
◆ 39-26	Nut, spark plug terminal	2	2	2
◆ 40-08	Gasket, spark plug, 23/32" ID x 15/16" OD, folded copper	2	2	2
◆ 46-29	Gasket, cylinder base	2	2	2
◆ 53-40	Gasket, set motor	1	1	1

Groups 4103, 4104: Pistons, connecting rods & rod bearings

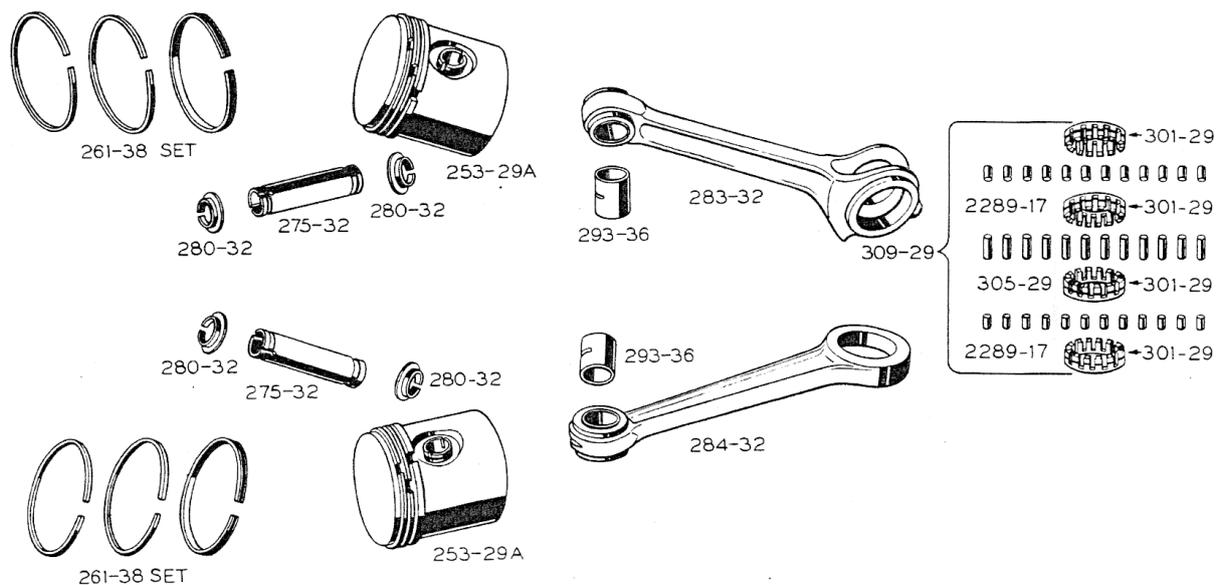


Figure 6 Pistons, connecting rods & rod bearings

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
♦ 253-29A	Piston, complete, standard	2	2	2
♦ 253-29C	Piston, complete, 0.005" oversize	2	2	2
♦ 253-29D	Piston, complete, 0.010" oversize	2	2	2
♦ 253-29E	Piston, complete, 0.020" oversize	2	2	2
♦ 253-29F	Piston, complete, 0.030" oversize	2	2	2
♦ 253-29G	Piston, complete, 0.040" oversize	2	2	2
♦ 261-38	Ring, set piston, standard	1	1	1
♦ 261-38A	Ring, set piston, 0.005" oversize	1	1	1
♦ 261-38B	Ring, set piston, 0.010" oversize	1	1	1
♦ 261-38C	Ring, set piston, 0.020" oversize	1	1	1
♦ 261-38D	Ring, set piston, 0.030" oversize	1	1	1
♦ 261-38E	Ring, set piston, 0.040" oversize	1	1	1
♦ 275-32	Pin, piston, standard	2	2	2
♦ 275-32C	Pin, piston, 0.002" oversize	2	2	2
♦ 275-32D	Pin, piston, 0.004" oversize	2	2	2
♦ 275-32E	Pin, piston, 0.006" oversize	2	2	2
♦ 275-32F	Pin, piston, 0.008" oversize	2	2	2
♦ 275-32G	Pin, piston, 0.010" oversize	2	2	2
♦ 280-32	Ring, piston pin lock	2	2	2
♦ 283-32	Rod, rear connecting	1	1	1
♦ 284-32	Rod, front connecting	1	1	1
♦ 289-32	Rod, bet connecting	1	1	1
♦ 293-36	Bushing, piston pin	2	2	2
♦ 301-29	Retainer, crank pin	4	4	4
♦ 2289-17	Roller, crank pin, standard	24	24	24
♦ 2289-17D	Roller, crank pin, 0.0002" oversize	24	24	24
♦ 2289-17F	Roller, crank pin, 0.0004" oversize	24	24	24
♦ 2289-17H	Roller, crank pin, 0.0006" oversize	24	24	24
♦ 2289-17KA	Roller, crank pin, 0.0008" oversize	24	24	24
♦ 2289-17MA	Roller, crank pin, 0.0010" oversize	24	24	24
♦ 305-29	Roller, crank pin, standard	12	12	12
♦ 305-29D	Roller, crank pin, 0.0002" oversize	12	12	12
♦ 305-29F	Roller, crank pin, 0.0004" oversize	12	12	12
♦ 305-29H	Roller, crank pin, 0.0006" oversize	12	12	12
♦ 305-29KA	Roller, crank pin, 0.0008" oversize	12	12	12
♦ 305-29MA	Roller, crank pin, 0.0010" oversize	12	12	12

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 309-29	Bearings, set, standard	1	1	1
◆ 309-29D	Bearings, set, 0.0002" oversize	1	1	1
◆ 309-29F	Bearings, set, 0.0004" oversize	1	1	1
◆ 309-29H	Bearings, set, 0.0006" oversize	1	1	1
◆ 309-29KA	Bearings, set, 0.0008" oversize	1	1	1
◆ 309-29MA	Bearings, set, 0.0010" oversize	1	1	1

Group 4105: Valves, fittings & tappets

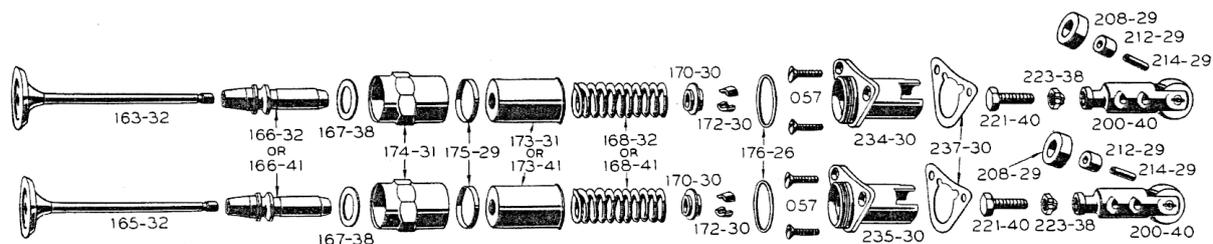


Figure 7 Valves, fittings & tappets

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 163-32	Valve, inlet	2	2	2
◆ 165-32	Valve, exhaust	2	2	2
◆ 166-32	Guide, valve	4	0	0
◆ 166-41	Guide, valve	0	4	4
◆ 167-38	Oil seal, valve guide	4	4	4
◆ 168-32	Spring, valve	4	0	0
◆ 168-41	Spring, valve	0	4	4
◆ 170-30	Collar, valve spring	4	4	4
◆ 172-30	Key, valve cover	4	4	4
◆ 173-31	Cover, upper valve spring	4	0	0
◆ 173-41	Cover, upper valve spring	0	4	4
◆ 174-31	Cover, lower valve spring	4	4	4
◆ 175-29	Packing, valve cover	4	4	4
◆ 176-26	Gasket, valve cover	4	4	4
185-41M	Collar, valve guide, (supplied on spare cylinders only)	4	4	4
◆ 200-40	Tappet	4	4	4
◆ 208-29	Roller, tappet	4	4	4
◆ 212-29	Bushing, tappet roller	4	4	4
◆ 214-29	Pin, tappet roller	4	4	4
◆ 221-40	Screw, tappet	4	4	4
◆ 223-38	Nut, tappet screw	4	4	4
◆ 234-30	Guide, front tappet	2	2	2
◆ 235-30	Guide, rear tappet	2	2	2
◆ 057	Screw, tappet guide, 1/4"-24 UNF x 1/8" oval countersunk head	8	8	8
◆ 237-30	Gasket, tappet guide	5	5	5

Groups 4106, 4107: Crank case relief parts, gear covers, oil pumps & gears

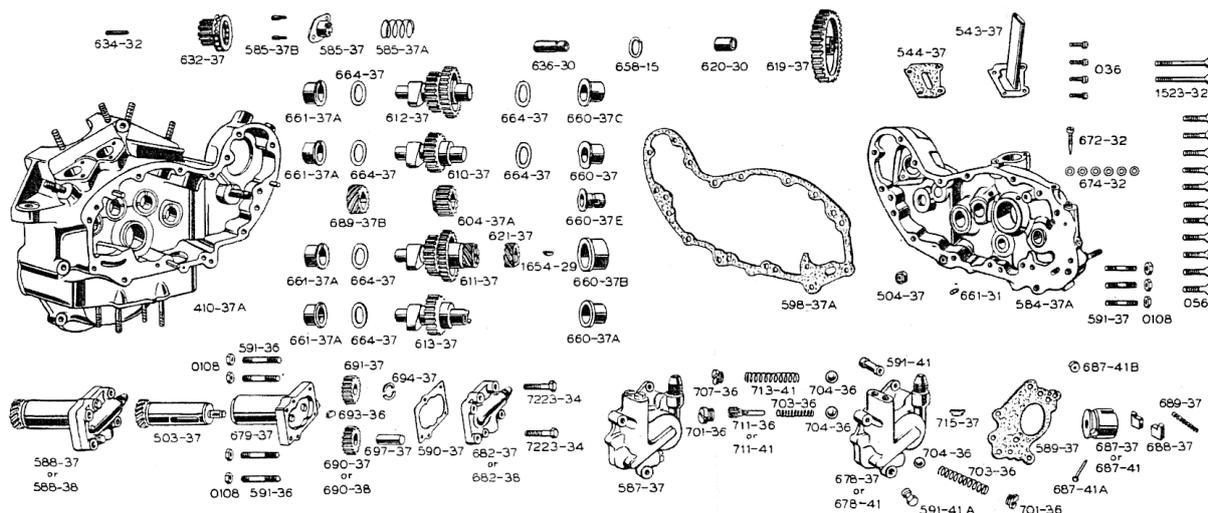


Figure 8 Crank case relief parts, gear covers, oil pumps & gears

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
♦ 503-37	Shaft, scavenger pump	1	1	1
♦ 504-37	Valve, gear breather	1	1	1
♦ 504-39	Screen, scavenger pump	1	1	1
♦ 543-37	Pipe, relief	1	1	1
♦ 543-37A	Pipe, chain oiler	1	1	1
♦ 544-37	Gasket, relief pipe	1	1	1
♦ 036	Screw, relief fastening, #10-32 UNF x 1/2", fillister head	4	4	4
♦ 584-37A	Cover, gear	1	1	1
♦ 585-37	Ring, oil seal	1	1	1
♦ 585-37A	Spring, seal ring	1	1	1
♦ 585-37B	Pin, seal ring retaining	2	2	2
♦ 587-37	Pump, oil feed, complete	1	1	1
♦ 588-37	Pump, scavenger & breather valve	1	1	0
♦ 588-38	Pump, scavenger & breather valve	0	0	1
♦ 589-37	Gasket, oil feed pump	1	1	1
♦ 590-37	Gasket, scavenger pump	2	2	2
♦ 591-36	Stud, oiler mounting, 1-11/16"	4	4	4
♦ 591-37	Stud, oiler mounting, 1-11/32"	3	3	3
♦ 591-41	Nut, oil mounting stud	0	1	1
♦ 591-41A	Nut, oil mounting stud (long)	0	1	1
♦ 0108	Nut, oiler mounting stud, 1/4"-24 UNF x 5/32", 7/16" AF, hex	7	7	7
♦ 598-37A	Gasket, gear cover	1	1	1
♦ 056	Screw, gear cover, 1/4"-24 UNF x 1/8" oval countersunk head	11	11	11
♦ 604-37A	Gear, pinion	1	1	1
♦ 610-37	Gear, cam, front inlet	1	1	1
♦ 611-37	Gear, cam, rear inlet	1	1	1
♦ 612-37	Gear, cam, front exhaust	1	1	1
♦ 613-37	Gear, cam, rear exhaust	1	1	1
♦ 619-37	Gear, idling	1	1	1
♦ 620-30	Bushing, idling gear	1	1	1
♦ 621-37	Gear, timer drive	1	1	1
♦ 1654-29	Key, timer drive gear	1	1	1
♦ 632-37	Gear generator drive	1	1	1
♦ 634-32	Pin, generator gear	1	1	1
♦ 636-30	Stud, idling gear	1	1	1
♦ 658-15	Ring, gear stud spring	1	1	1

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 660-37	Bushing, gear cover	1	1	1
◆ 660-37A	Bushing, gear cover	1	1	1
◆ 660-37B	Bushing, gear cover	1	1	1
◆ 660-37C	Bushing, gear cover	1	1	1
◆ 660-37E	Bushing, gear cover	1	1	1
◆ 661-31	Pin, cover bushing, 1/8" x 1/4" round pin	1	1	1
◆ 661-37A	Bushing, gear shaft	4	4	4
◆ 664-37	Washer, cam gear shaft	6	6	6
◆ 678-37	Body, oil feed pump	1	0	0
◆ 678-41	Body, oil feed pump	0	1	1
◆ 679-37	Body, oil scavenger pump	1	1	1
◆ 682-37	Cover, oil scavenger pump	1	1	0
◆ 682-38	Cover, oil scavenger pump	0	0	1
◆ 7223-34	Bolt, scavenger cover	2	2	2
◆ 687-37	Holder, feed pump vane	1	0	0
◆ 687-41	Holder, feed pump vane	0	1	1
◆ 687-41A	Valve, feed pump gov.	0	1	1
◆ 687-41B	Weight, feed pump gov.	0	1	1
◆ 688-37	Vane, feed pump	2	2	2
◆ 689-37	Spring, feed pump vane	1	1	1
◆ 689-37B	Gear, breather valve	1	1	1
◆ 690-37	Gear, scavenger pump	1	1	0
◆ 690-38	Gear, scavenger pump	0	0	1
◆ 691-37	Gear, scavenger pump idle	1	1	1
◆ 693-36	Key, oil feed gear	1	1	1
◆ 694-37	Washer, scavenger gear	2	2	2
◆ 697-37	Shaft, scavenger idle gear	1	1	1
◆ 701-36	Screw, valve spring cover	2	2	2
◆ 703-36	Spring, check valve	2	2	2
◆ 704-36	Ball, check valve, 3/8" stainless steel	3	3	3
◆ 707-36	Screw, by-pass valve cover	1	1	1
◆ 711-36	Screw, by-pass adjusting	1	0	0
◆ 711-41	Screw, by-pass adjusting	0	1	1
◆ 713-37	Spring, by-pass valve	1	1	0
◆ 713-41	Spring, oil pump relief	0	1	1
◆ 715-37	Retainer, by-pass ball	1	1	1
◆ 672-32	Screw, chain oiler adjusting	1	1	1
◆ 674-32	Washer, 0.002" adjusting screw	5...10	5...10	5...10

Groups 4108, 4301: Inlet pipe & carburetor

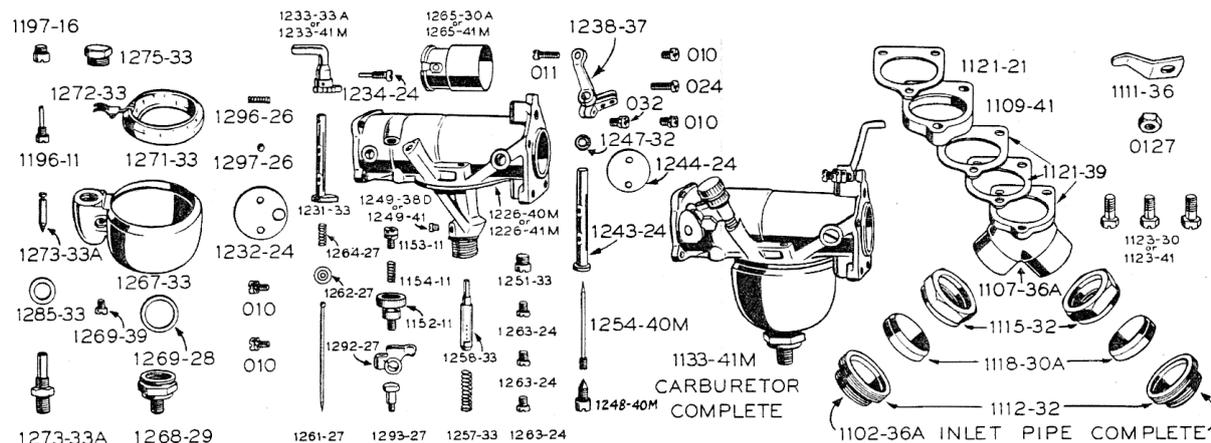


Figure 9 Inlet pipe & carburetor

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 1102-36A	Pipe, complete inlet	1	1	1
◆ 1107-36A	Pipe, inlet	1	1	1
◆ 1109-41	Extension, inlet pipe	0	1	1
◆ 1111-36	Support, carburetor	1	1	1
◆ 0127	Nut, carburetor support, 3/8"-24 UNF x 21/64", 9/16" AF, hex	1	1	1
◆ 1112-32	Nipple, inlet	2	2	2
◆ 1115-32	Nut, inlet packing	2	2	2
◆ 1118-30A	Bushing, inlet packing	2	2	2
◆ 1121-21	Gasket, inlet pipe	1	1	1
◆ 1121-39	Gasket, carburetor insulating	3	3	3
◆ 1123-30	Screw, carburetor fastening	3	0	0
◆ 1123-41	Bolt, carburetor fastening	0	3	3
1133-41M	Carburetor, complete	1	1	1
1226-40M	Body, carburetor	1	Early, 1	0
1226-41M	Body, carburetor	0	Later, 1	1
◆ 1231-33	Shaft, air intake	1	1	1
◆ 010	Screw, air intake shaft, #6-32 UNC x 1/4", fillister head	2	2	2
◆ 1232-24	Disc, air intake	1	1	1
◆ 1233-33A	Lever, air intake	1	0	0
1233-41M	Lever, air intake	0	1	1
◆ 1234-24	Screw, air intake lever	1	1	1
◆ 1238-37	Lever, throttle	1	1	1
◆ 032	Screw, lever lock, #10-24 UNC x 5/8", fillister head	1	1	1
◆ 024	Screw, throttle stop, #8-32 UNC x 3/4", fillister head	1	1	1
◆ 011	Screw, throttle stop, #6-32 UNC x 3/8", fillister head	1	1	1
◆ 1243-24	Shaft, throttle	1	1	1
◆ 1244-24	Disc, throttle	1	1	1
◆ 1245-24	Bushing, throttle shaft	1	1	1
◆ 1247-32	Spring, throttle shaft	1	1	1
◆ 010	Screw, throttle disc, #6-32 UNC x 1/4", fillister head	2	2	2
1248-40M	Screw, high speed needle valve lock	1	1	1
◆ 1249-38D	Jet, fixed, no. 4	1	0	0
◆ 1249-41	Jet, fixed, 0.052" hole	0	1	1
◆ 1251-33	Plug, idle passage	1	1	1
◆ 1252-41	Tube, air bleed	0	Early, 1	0
◆ 1252-41A	Screw, tube holder	0	Early, 1	0
1254-40M	Valve, high speed needle	1	1	1
◆ 1257-33	Spring, nozzle retainer	1	1	1
◆ 1258-33	Nozzle, main	1	1	1

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
♦ 1261-27	Valve, low speed needle	1	1	1
♦ 1262-27	Collar, spring	1	1	1
♦ 1263-24	Plug, drill	3	3	3
♦ 1264-27	Spring, needle valve	1	1	1
♦ 1152-11	Screw, needle valve adjusting	1	1	1
♦ 1153-11	Screw, needle valve lock	1	1	1
♦ 1154-11	Spring, needle valve lock	1	1	1
♦ 1265-30A	Venturi, 1-1/16"	1	Early, 1	0
♦ 1265-41M	Venturi, 15/16"	0	Later, 1	1
♦ 1267-24	Bowl, assembly	1	1	1
♦ 1267-33	Bowl, only	1	1	1
♦ 1268-29	Nut, bowl lock	1	1	1
♦ 1269-28	Gasket, bowl lock nut	1	1	1
♦ 1269-39	Screw, bowl drain	1	1	1
♦ 1271-33	Float	1	1	1
♦ 1272-33	Lever, float	1	1	1
♦ 1273-33A	Valve and seat, float	1	1	1
♦ 1196-11	Pin, float lever	1	1	1
♦ 1197-16	Screw, float lever pin	1	1	1
♦ 1275-33	Cap, bowl	1	1	1
♦ 1285-33	Washer, inlet nipple	1	1	1
♦ 1292-27	Lever, needle valve	1	1	1
♦ 1293-27	Screw, lever	1	1	1
♦ 1296-26	Spring, friction	1	1	1
♦ 1297-26	Ball, friction	1	1	1

Group 4109: Flywheels & shafts

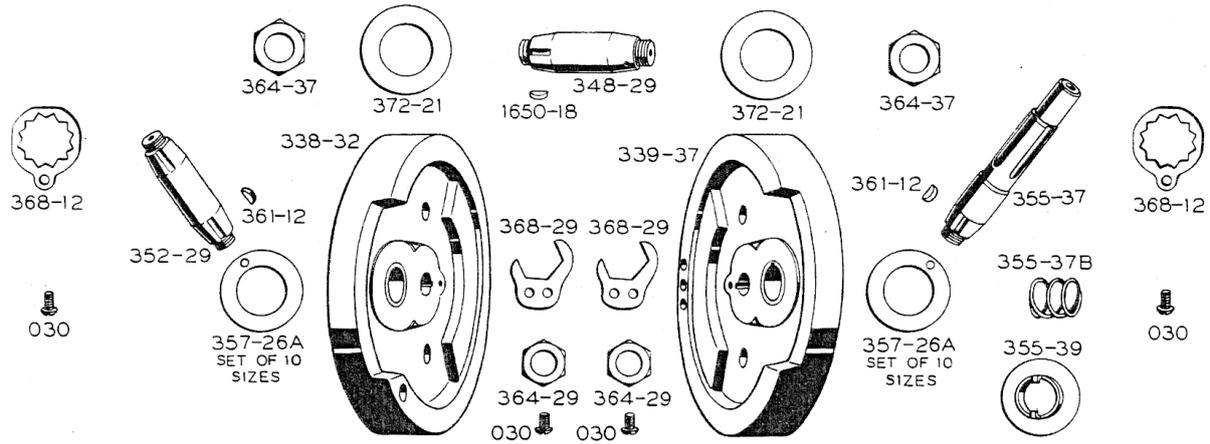


Figure 10 Flywheels & shafts

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 331-37	Flywheel, set	1	1	1
◆ 338-32	Flywheel, left	1	1	1
◆ 339-37	Flywheel, right	1	1	1
◆ 348-29	Pin, crank	1	1	1
◆ 352-29	Shaft, sprocket	1	1	1
◆ 355-37	Shaft, gear side	1	1	1
◆ 355-37B	Spring, seal ring	1	1	1
◆ 355-39	Ring, bearing seal	1	1	1
◆ 357-26A	Collars, set thrust	1/10	1/10	1/10
<i>Note: Individual sizes can be supplied as follows:</i>				
	357-26B	0.066"	357-26G	0.086"
	357-26C	0.070"	357-26H	0.090"
	357-26D	0.074"	357-26JA	0.094"
	357-26E	0.078"	357-26KA	0.098"
	357-26F	0.082"	357-26LA	0.102"
<i>Suggested that these collars be purchased in sets per part no. 357-26A</i>				
◆ 361-12	Key, sprocket and gear shaft	2	2	2
◆ 1650-18	Key, crank pin, #3-1/2" x 1/8" Woodruff	1	1	1
◆ 364-29	Nut, sprocket and gear shaft	2	2	2
◆ 364-37	Nut, crank pin	2	2	2
◆ 368-12	Washer, shaft nut lock	2	2	2
◆ 368-29	Washer, shaft nut lock	2	2	2
◆ 030	Screw, lock washer, #10-24 UNF x 3/8", fillister head	4	4	4
◆ 372-21	Washer, flywheel	2	2	2

Group 4111: Crank case & Fittings

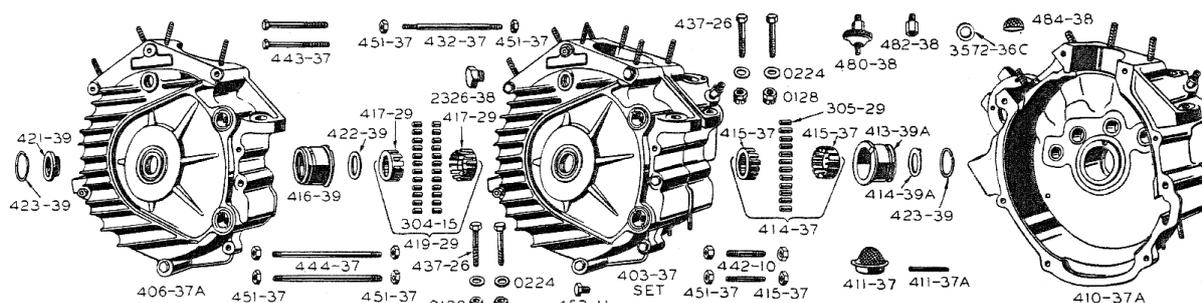


Figure 11 Crank case & fittings

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 403-37	Crankcase, set	1	1	1
◆ 406-37A	Crankcase, left	1	1	1
◆ 410-37A	Crankcase, right	1	1	1
◆ 411-37	Strainer, crankcase oil	1	1	1
◆ 411-37A	Pin, strainer retainer, #1/8" x 1-3/4" round pin	1	1	1
◆ 413-39A	Bushing, right roller bearing	1	1	1
◆ 414-37	Bearing, gear side, standard	1	1	1
◆ 414-37D	Bearing, gear side, 0.0002" oversize	1	1	1
◆ 414-37F	Bearing, gear side, 0.0004" oversize	1	1	1
◆ 414-37H	Bearing, gear side, 0.0006" oversize	1	1	1
◆ 414-37KA	Bearing, gear side, 0.0008" oversize	1	1	1
◆ 414-37MA	Bearing, gear side, 0.0010" oversize	1	1	1
◆ 414-39A	Washer, right bearing	1	1	1
◆ 415-37	Retainer, right roller	2	2	2
◆ 305-29	Roller, right, standard	12	12	12
◆ 305-29D	Roller, right, 0.0002" oversize	12	12	12
◆ 305-29F	Roller, right, 0.0004" oversize	12	12	12
◆ 305-29H	Roller, right, 0.0006" oversize	12	12	12
◆ 305-29KA	Roller, right, 0.0008" oversize	12	12	12
◆ 305-29MA	Roller, right, 0.0010" oversize	12	12	12
◆ 416-39	Bushing, left roller bearing	1	1	1
◆ 417-29	Retainer, left roller	2	2	2
◆ 304-15	Roller, left, standard	24	24	24
◆ 304-15D	Roller, left, 0.0002" oversize	24	24	24
◆ 304-15F	Roller, left, 0.0004" oversize	24	24	24
◆ 304-15H	Roller, left, 0.0006" oversize	24	24	24
◆ 304-15KA	Roller, left, 0.0008" oversize	24	24	24
◆ 304-15MA	Roller, left, 0.0010" oversize	24	24	24
◆ 419-29	Bearing, left, standard	1	1	1
◆ 419-29D	Bearing, left, 0.0002" oversize	1	1	1
◆ 419-29F	Bearing, left, 0.0004" oversize	1	1	1
◆ 419-29H	Bearing, left, 0.0006" oversize	1	1	1
◆ 419-29KA	Bearing, left, 0.0008" oversize	1	1	1
◆ 419-29MA	Bearing, left, 0.0010" oversize	1	1	1
◆ 421-39	End, left bearing	1	1	1
◆ 422-39	Washer, left bearing	1	1	1
◆ 423-39	Ring, bearing spring	2	2	2
◆ 437-26	Bolt, motor fastening	4	4	4
◆ 0128	Nut, motor fastening bolt, 3/8"-24 UNF x 15/32", 9/16" AF, castle nut	4	4	4
◆ 0224	Washer, motor bolt, 3/8" x 13/16" x 1/16", flat steel	4	4	4
◆ 442-10	Stud, crankcase, 1-5/8"	2	2	2
◆ 442-37	Stud, crankcase, 4-1/2"	1	1	1
◆ 443-37	Bolt, crankcase, 2-3/4"	2	2	2
◆ 444-37	Stud, crankcase, 5"	2	2	2

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 451-37	Nut, crankcase stud	10	10	10
◆ 453-11	Plug, crankcase drain	1	1	1
◆ 2326-38	Plug, timing hole	1	1	1
◆ 480-38	Switch, oil pressure	1	1	1
◆ 482-38	Nipple, oil pressure	1	1	1
◆ 3572-36C	Washer, nipple packing	1	1	1
◆ 484-38	Screen, pressure switch	1	1	1

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 2411-40	Stud, bracket spring	1	1	1
◆ 2412-36N	Spring, front clutch lever	1	1	1
◆ 2413-38	Stud, clutch rod	1	1	1
◆ 2416-36	Disc, steel friction	1	1	1
◆ 2417-36	Disc, friction, moulded	1	1	1
◆ 2417-36B	Disc, bracket friction	1	1	1
◆ 2419-36	Washer, curved friction	2	2	2
◆ 2419-36A	Washer, flat friction	1	1	1
◆ 2419-36B	Washer, friction stud lock	1	1	1
◆ 0142	Nut, friction stud, 5/8"-24 UNF x 7/32", 7/8" AF, hex	1	1	1
◆ 2422-36	End, clutch lever rod	1	1	1
◆ 2424-38	Rod, clutch lever	1	0	0
◆ 0105	Nut, clutch lever rod, #10-32 UNF x 1/8", 5/16" AF, hex, brass	1	0	0
◆ 2424-41	Cable, clutch release	0	1	1
◆ 2425-41	Washer, clutch cable	0	2	2
◆ 066	Bolt, cable bracket, 5/16"-24 UNF x 1", 1/2" AF, hex head	0	2	2
◆ 0117	Nut, cable bracket bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	0	2	2
◆ 2427-40	Lever, clutch release	1	0	0
◆ 2426-41	Lever, clutch release	0	1	1
◆ 2431-41	Screw, clutch release	0	2	2
◆ 2432-41	Washer, release lock	0	2	2
◆ 2432-41A	Washer, release spring	0	1	1
◆ 2436-26	Finger, release lever	1	0	0
◆ 2446-33	Rod, clutch push	1	0	0
◆ 2446-41	Rod, clutch push	0	1	1
◆ 2448-36	Bearing, rod push	1	0	0
◆ 2345-36	Guard, bearing	1	0	0
◆ 2458-38	Ring, retainer spring	0	3	3
◆ 2461-36B	Spring, push rod	1	0	0
◆ 2459-41A	Spring, push rod	0	1	1
◆ 3563-12	Cup, push rod leather	0	1	0
◆ 0208	Washer, push rod spring, 1/4" x 5/8" x 1/16", plain steel	1	0	0
◆ 2461-41	Cup, push rod spring	0	1	0
◆ 2461-41A	Guide, push rod	0	1	0
◆ 2461-41B	Ring, push rod	0	1	1
◆ 2461-41D	Fittings, oil seat set	0	1	1
◆ 2463-34	Screw, push rod adjusting	1	0	0
◆ 2463-41A	Screw, push rod adjusting	0	1	1
◆ 2464-26	Ball, push rod, 7/16", steel	1	0	0
◆ 2465-26	Nut, push rod adjusting screw	1	0	0
◆ 2465-41	Nut, push rod adjusting screw	0	1	1
◆ 2279-26	Key, clutch	1	1	1
◆ 2512-41	Seal, clutch gear oil	0	1	1
◆ 2513-33	Gear, clutch	1	0	0
◆ 2513-41	Gear, clutch	0	1	1
◆ 2514-33	Bushing, clutch gear	1	0	0
◆ 2514-41	Bushing, clutch gear	0	1	1
◆ 2515-41	Nut, clutch gear	0	1	1
◆ 2515-41A	Washer, clutch nut lock	0	1	1
◆ 2518-33	Race, outer roller	1	0	0
◆ 2518-41	Race, outer left bearing	0	1	1
◆ 2289-36	Roller, left bearing (0.125" x 0.615")	0	40	40
◆ 2306-32	Roller, bearing (0.152" x 5/8")	40	40	40
◆ 2520-33	Washer, bearing thrust	1	0	0
◆ 2520-41	Washer, bearing thrust	0	1	1
◆ 2520-41A	Washer, left retainer	0	1	1
◆ 2521-33	Retainer, complete thrust	1	0	0

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 2521-41	Retainer, complete thrust	0	1	1
◆ 2522-33	Race, thrust	1	0	0
◆ 2522-41	Race, thrust	0	1	1
◆ 2524-36	Washer, set oil	1	0	0
◆ 2528-33	Disc, inner clutch	1	0	0
◆ 2530-33	Washer, inner disc lock	1	0	0
◆ 2531-33	Nut, inner disc	1	0	0
◆ 2484-29	Linings and rivets, set	1	0	0
◆ 2533-26	Disc, sprocket fibre (6-9/32")	1	0	0
◆ 2485-40	Rivet, sprocket disc	6	0	0
◆ 2535-31	Disc, steel friction	2	0	0
◆ 2534-29	Disc, outer notched	3	0	0
2039-40M	Sprocket, clutch	1	0	0
◆ 2536-33	Race, outer sprocket	1	0	0
◆ 2537-33	Race, drive disc inner	1	0	0
◆ 2538-33	Washer, bearing	1	0	0
◆ 2539-33	Washer, bearing spacer	1	0	0
◆ 2540-33	Ball, clutch bearing, 5/32" steel	96	96	0
◆ 2543-31	Ring, clutch key	1	0	1
◆ 2544-34	Disc, outer drive	1	0	1
◆ 2511-30	Spring, clutch	12	0	0
◆ 2547-34	Collar, spring compressing	1	0	1
◆ 2548-40	Nut, clutch spring adjusting	1	0	0
◆ 2549-34	Stud, spring guide	4	0	4
◆ 0117	Nut, clutch spring stud, 5/16"-24 UNF x 17/64", 1/2" AF, hex	4	4	4
◆ 2550-34	Cap, clutch trust	1	0	1
◆ 2551-29	Washer, push rod, steel	1	0	0
◆ 2552-19	Washer, push rod, cork	2	0	0
◆ 2039-41A	Sprocket, complete	0	1	1
◆ 2472-41A	Hub, assembly	0	1	1
◆ 2472-41B	Ball, hub bearing, 7/32" steel	0	60	60
◆ 2473-41A	Retainer, ball bearing	0	1	1
◆ 2475-41A	Plate, hub bearing	0	1	1
◆ 2477-41A	Stud, inner drive hub	0	3	3
◆ 2478-41A	Pin, inner drive hub	0	7	7
◆ 2479-41A	Disc, clutch releasing	0	1	1
◆ 2481-41A	Disc, clutch friction	0	2	2
◆ 2481-41C	Disc, outer sprung	0	1	1
◆ 2484-41A	Linings and rivets, set	0	1	1
◆ 2485-12	Rivet, center disc	0	12	12
◆ 2485-41	Rivet, hub lining	0	6	6
◆ 2485-41A	Rivet, spring disc	0	6	6
◆ 2487-41A	Disc, steel, center	0	2	2
◆ 2488-41	Buffers, inner disc	0	2	2
◆ 2505-41A	Plate, clutch pressure	0	1	1
◆ 2511-41	Spring, clutch	0	10	10
◆ 0117	Nut, spring stud, 5/16"-24 UNF x 17/64", 1/2" AF, hex	4	4	4
◆ 2512-41A	Washer, spring stud lock	0	3	3

Group 4301: Oil bath air cleaner

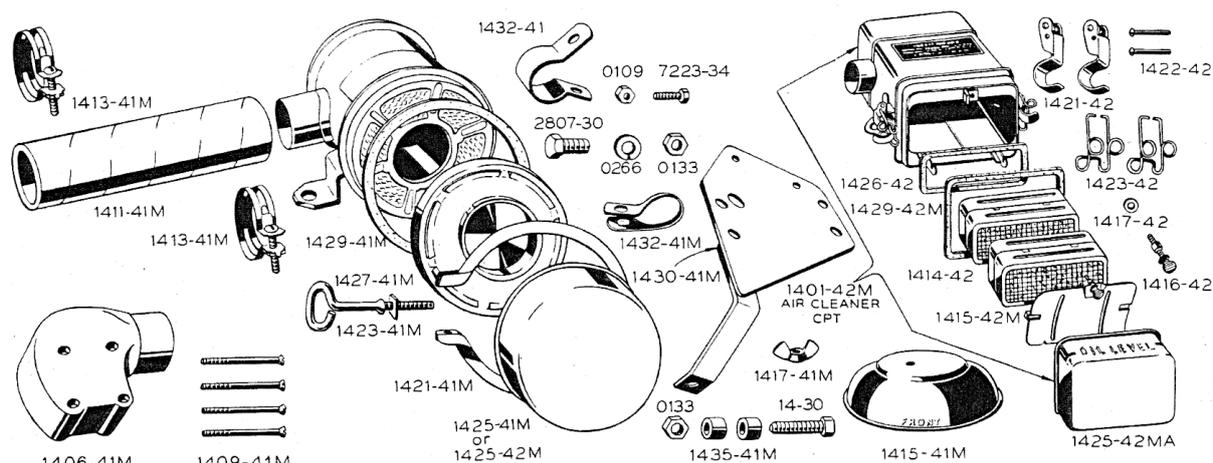


Figure 14 Oil bath air cleaner

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
1401-42M	Cleaner, oil bath air	1	1	1
1406-41M	Connection, carburetor	1	1	1
1409-41M	Screw, connection	4	4	4
1411-41M	Hose, connection, 1-3/4" ID x 7-7/8", 3 ply radiator hose	1	1	1
1413-41M	Clamp, hose, ideal 2-1/8" hose clamp	2	2	2
♦ 2807-30	Bolt, cleaner mounting	2	2	2
♦ 0133	Nut, mounting bolt, 7/16"-20 UNF x 3/8", 5/8" AF, hex	2	2	2
1430-41M	Plate, mounting	1	1	1
1432-41	Clamp, plate to frame	0	0	1
1432-41M	Clamp, plate to frame	1	1	1
♦ 7223-34	Bolt, frame clamp	1	1	1
♦ 0109	Nut, frame bolt, 1/4"-24 UNF x 7/32", hex	1	1	1
♦ 14-30	Bolt, rear upper	1	1	1
♦ 0133	Nut, rear upper bolt, 7/16"-20 UNF x 3/8", 5/8" AF, hex	1	1	1
1435-41M	Spacer, rear upper bolt	2	2	2

Group 4301: Parts for round air cleaner

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
1415-41M	Cover, air cleaner	1	1	0
1417-41M	Nut, cover wing	1	1	0
1421-41M	Clamp, bottom pan	1	1	1
1423-41M	Screw, bottom pan clamp	1	1	1
1425-41M	Cup, oil	1	1	0
1425-42M	Cup, oil	0	0	1
1427-41M	Plate, baffle	1	1	1
1429-41M	Gasket, for joint	1	1	1

Group 4301: Parts for rectangular air cleaner

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
1414-42	Strainer, air cleaner	0	0	2
1415-42M	Plate, baffle	0	0	1
1416-42	Screw, baffle plate	0	0	1
1417-42	Washer, baffle plate screw	0	0	1
1421-42	Latch, oil cup	0	0	2
1422-42	Rivet, oil cup latch	0	0	2
1423-42	Clip, latch spring	0	0	2
1425-42MA	Cup, oil	0	0	1
1426-42	Gasket, air cleaner	0	0	1
1429-42M	Gasket, oil cup	0	0	1

Group 4304: Tank

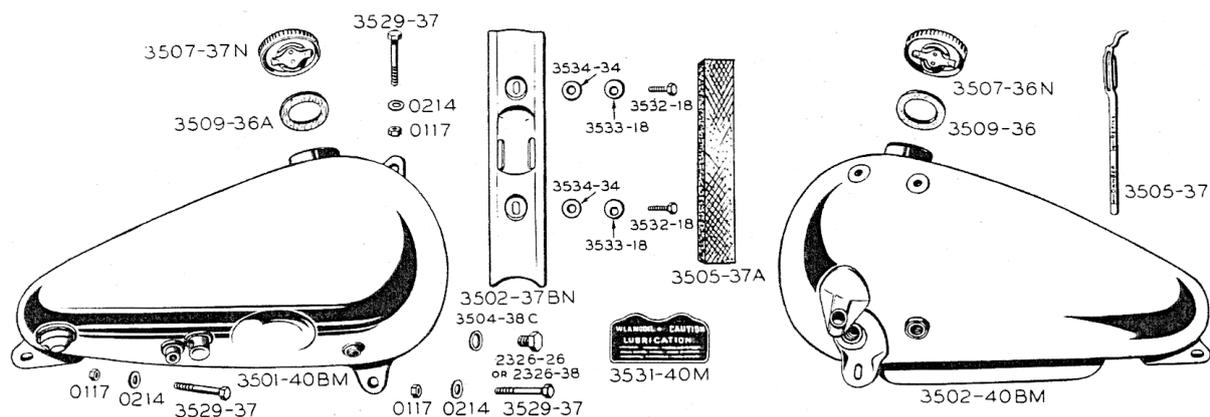


Figure 15 Tank

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
3501-40BM	Rank, right, oil	1	1	1
3502-40BM	Tank, left, gas	1	1	1
3502-37BN	Strip, tank top	1	1	1
◆ 3505-37	Rod, oil tank gauge	1	1	1
◆ 2326-26	Plug, oil tank drain	1	0	0
◆ 2326-38	Plug, oil tank drain	0	1	1
◆ 3504-38C	Gasket, drain plug	1	1	1
◆ 3505-37A	Buffer, tank	1	1	1
3507-36N	Cap, gas tank	1	1	1
3507-37N	Cap, oil tank	1	1	1
◆ 3509-36	Washer, tank cap, cork	1	1	1
◆ 3509-36A	Washer, tank cap, leather	1	1	1
◆ 3529-37	Bolt, tank mounting	3	3	3
◆ 0214	Washer, for mounting bolt, 5/16" x 5/8" x 1/16", plain steel	3	3	3
◆ 0117	Nut, tank mounting bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	3	3	3
◆ 3532-18	Screw, tank top	2	2	2
◆ 3532-18S	Screw, tank top, oversize	2	2	2
◆ 3533-18	Washer, spring, screw	2	2	2
◆ 3534-34	Washer, paper, screw	2	2	2
3531-40M	Plate, caution	1	1	1

Group 4304: Oil pipes & gas pipes

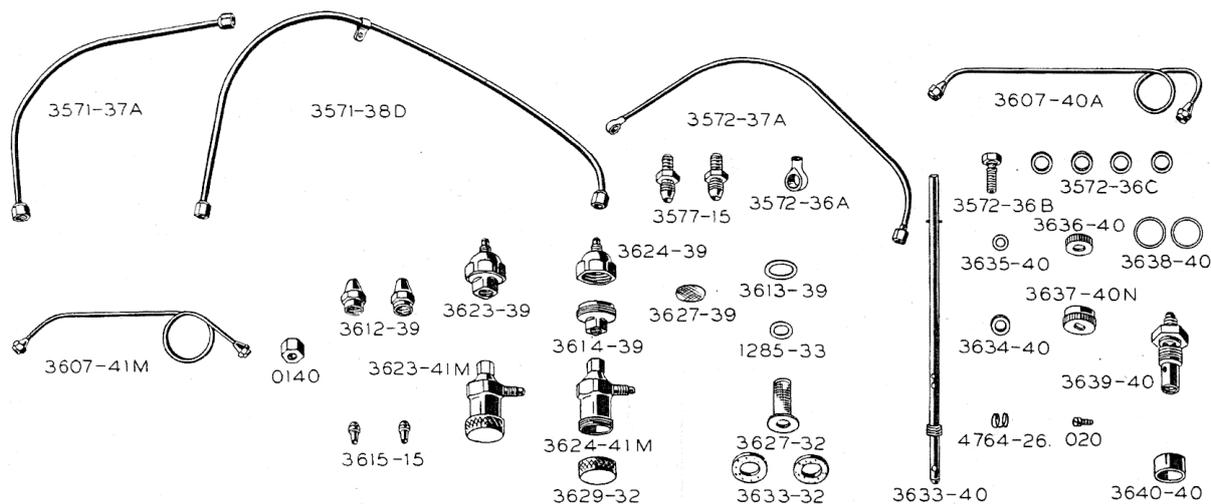
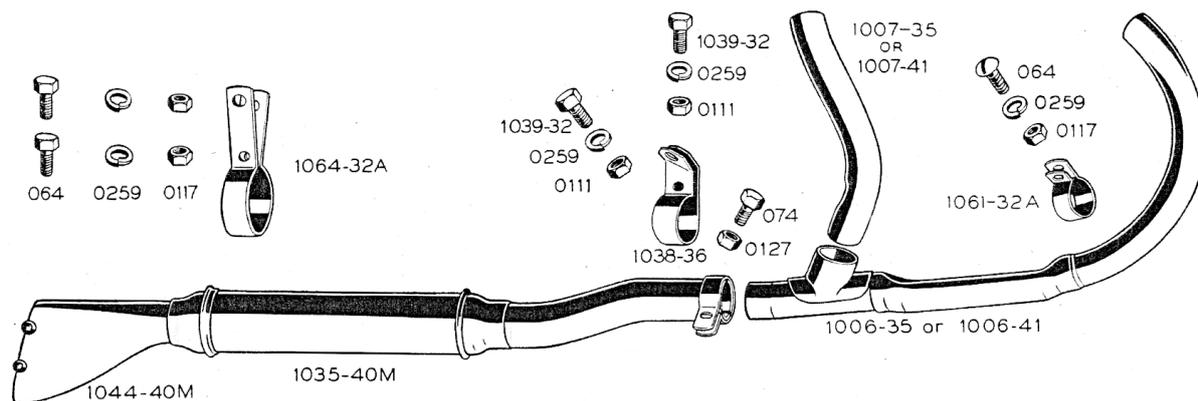


Figure 16 Oil pipes & gas pipes

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 3571-37A	Pipe, oil pump feed	1	1	1
◆ 3571-37B	Pipe, oil pump return	1	1	1
◆ 3572-37A	Pipe, oil tank vent	1	1	1
◆ 3577-15	Nipple, oil pump pipe	2	2	2
◆ 3572-36A	Nipple, for 3572-37A	1	1	1
◆ 3572-36B	Bolt, vent pipe nipple	1	1	1
◆ 3572-36C	Washer, nipple bolt	4	4	4
◆ 3607-40A	Pipe, gas feed	1	0	0
◆ 3607-41M	Pipe, gas feed	0	1	1
◆ 0140	Nut, gas pipe, 15/32"-24 special hex nut (oil pipe nipple)	1	1	1
◆ 3612-39	Nut, gas pipe	2	2	2
◆ 3615-15	Nipple, gas pipe	2	2	2
◆ 3623-39	Strainer, gas	1	0	0
◆ 3623-41M	Strainer, gas	0	1	1
◆ 3624-39	Base, gas strainer	1	0	0
◆ 3624-41M	Base, gas strainer	0	1	1
◆ 3627-32	Screen, gas strainer	0	1	1
◆ 3627-39	Screen, gas strainer	1	0	0
◆ 3613-39	Washer, sealing	1	0	0
◆ 3629-32	Cap, gas strainer	0	1	1
◆ 3614-39	Cap, gas strainer	1	0	0
◆ 3633-32	Washer, gas strainer	0	2	2
◆ 1285-33	Washer, gas strainer	1	0	0
◆ 3633-40	Rod, gas valve adjusting	1	1	1
◆ 3634-40	Seal, upper gas valve	1	1	1
◆ 3635-40	Washer, adjusting rod	1	1	1
◆ 4764-26	Spring, adjusting rod	1	1	1
◆ 3636-40	Cap, upper valve seat	1	1	1
◆ 3637-40N	Knob, adjusting rod	1	1	1
◆ 020	Screw, adjusting rod knob, #8-32 UNC x 1/4", fillister head	1	1	1
◆ 3638-40	Washer, gas valve, nipple	2	2	2
◆ 3639-40	Nipple, gas valve	1	1	1
◆ 3640-40	Spacer, gas valve	1	1	1

Groups 4401, 4402: Muffler & exhaust pipes



1002-40M MUFFLER COMPLETE

Figure 17 Muffler & exhaust pipes

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
1002-40M	Muffler, complete	1	1	1
◆ 1006-35	Pipe, front exhaust	1	0	0
◆ 1006-41	Pipe, front exhaust	0	1	1
◆ 1007-35	Pipe, rear exhaust	1	0	0
◆ 1007-41	Pipe, rear exhaust	0	1	1
◆ 074	Bolt, center clamp, 3/8"-24 UNF x 3/4", 9/16" AF, hex head	1	1	1
◆ 0127	Nut, center clamp bolt, 3/8"-24 UNF x 21/64", 9/16" AF, hex	1	1	1
1035-40M	End, rear muffler	1	1	1
◆ 1038-36	Bracket, rear end, front	1	1	1
◆ 1039-32	Bolt, front bracket, 5/16"-18 UNC x 3/4", round head bolt	1	1	2
◆ 0111	Nut, bracket bolt, 5/16"-18 UNC x 1/4", 1/2" AF, hex	1	1	1
1044-40M	Outlet, rear muffler	1	1	1
◆ 1061-32A	Clamp, exhaust pipe	1	1	1
◆ 064	Bolt, clamp, 5/16"-24 UNF x 3/4", 1/2" AF, hex head	1	1	1
◆ 0117	Nut, bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	1	1	1
◆ 1064-32A	Clamp, rear hanger	1	1	1
◆ 064	Bolt, rear hanger, 5/16"-24 UNF x 3/4", 1/2" AF, hex head	2	2	2
◆ 0117	Nut, rear hanger bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	2	2	2

Group 4600: Generator, frame & fields

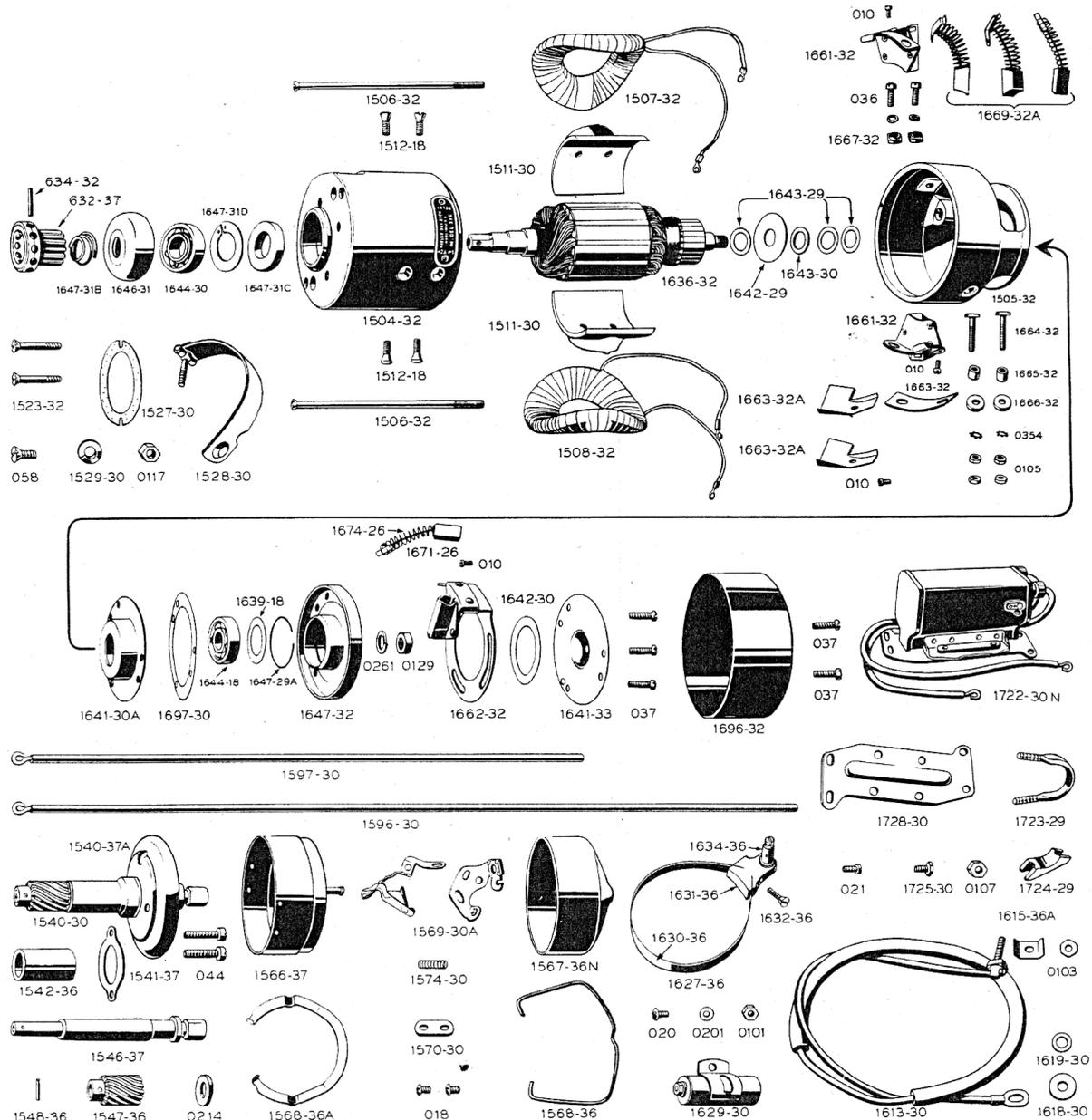


Figure 18 Generator, frame & fields

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 1501-30	Generator, complete	1	1	1
◆ 1504-32	Frame	1	1	1
◆ 1505-32	End, frame	1	1	1
◆ 1506-32	Screw, frame	2	2	2
◆ 1507-32	Coil, shunt field	1	1	1
◆ 1508-32	Coil, regulating field	1	1	1
◆ 1663-32A	Insulation, field coil terminal	2	2	2
◆ 1511-30	Piece, pole	2	2	2
◆ 1512-18	Screw, pole piece	4	4	4
◆ 1520-24	Terminal, lead	2	2	2
◆ 1523-32	Screw, generator fastening	2	2	2
◆ 1527-30	Gasket, generator	1	1	1
◆ 1528-30	Strap, generator	1	1	1
◆ 1529-30	Washer, generator strap	1	1	1
◆ 0117	Nut, generator strap, 5/16"-24 UNF x 17/64", 1/2" AF, hex	1	1	1
◆ 058	Screw, generator strap, 5/16"-18 UNC x 13/16", flat head	1	1	1

Group 4600: Circuit breaker (timer) & wiring

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 1540-37	Shaft, timer complete	1	1	1
◆ 1540-37A	Housing, timer shaft	1	1	1
◆ 1541-37	Gasket, timer base	1	1	1
◆ 1542-36	Bushing, timer housing	2	2	2
◆ 1546-37	Shaft, timer drive	1	1	1
◆ 0214	Washer, timer shaft, 5/16" x 5/8" x 1/16", plain steel	1	1	1
◆ 1547-36	Gear, timer shaft	1	1	1
◆ 1548-36	Pin, timer shaft	1	1	1
◆ 044	Screw, ignition timer, #12-24 UNC x 7/8", fillister head	2	2	2
◆ 1566-37	Plate, circuit breaker	1	1	1
◆ 1567-36N	Cover, circuit breaker	1	1	1
◆ 1568-36	Retainer, breaker cover	1	1	1
◆ 1568-36A	Retainer, breaker plate	1	1	1
◆ 1569-30A	Points, set breaker	1	1	1
◆ 1570-30	Washer, contact plate	1	1	1
◆ 018	Screw, contact plate, #8-32 UNC x 1/4", round head	2	2	2
◆ 1574-30	Spring, breaker lever	1	1	1
◆ 1596-30	Cable, spark plug, long	1	1	1
◆ 1597-30	Cable, spark plug, short	1	1	1
◆ 1598-27	Terminal, spark plug	2	2	2
◆ 1599-27	Washer, cable packing	2	2	2
◆ 1602-37	Bracket, spark plug cable	1	1	1
◆ 1613-30	Wire, circuit breaker	1	1	1
◆ 1614-18	Terminal, low tension	1	1	1
◆ 1615-36A	Insulator, stud	1	1	1
◆ 0103	Nut, low tension stud, #8-32 UNC x 1/8", 5/16" AF, hex	1	1	1
◆ 1618-30	Washer, stud, fiber	1	1	1
◆ 1619-30	Washer, stud, copper	1	1	1
◆ 1627-36	Strap, timer operating	1	1	1
◆ 1627-37A	Bracket, timer control	1	1	1
◆ 1629-30	Condenser	1	1	1
◆ 020	Screw, condenser, #8-32 UNC x 1/4", fillister head	1	1	1
◆ 1630-36	Strap, timer lever	1	1	1
◆ 1631-36	End, lever and strap	1	1	1
◆ 1632-36	Screw, strap end	1	1	1
◆ 1633-36	Pin, strap	2	2	2
◆ 1634-36	Stud, timer lever	1	1	1

Group 4600: Armature

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 1636-32	Armature, with winding	1	1	1
◆ 1639-18	Shim, armature spacing (0.020")	1	1	1
◆ 1641-30A	Retainer, oil, inner	1	1	1
◆ 1641-33	Retainer, oil, outer	1	1	1
◆ 037	Screw, oil retainer, #10-32 UNF x 5/8", fillister head	3	3	3
◆ 1642-29	Washer, armature, bakelite	1	1	1
◆ 1642-30	Gasket, bearing housing	1	1	1
◆ 1643-29	Washer, armature steel (0.025")	3	3	3
◆ 1643-30	Washer, small (0.072")	1	1	1
◆ 1644-18	Bearing, armature, small	1	1	1
◆ 1644-30	Bearing, armature, large	1	1	1
◆ 1646-31	Deflector, drive end oil	1	1	1
◆ 1647-29A	Ring, bearing plate spring	1	1	1

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 1647-32	Housing, drive end bearing	1	1	1
◆ 1647-31A	Rivet, drive end bearing housing	4	4	4
◆ 1647-31B	Spring, drive end	1	1	1
◆ 1647-31C	Washer, drive end felt	1	1	1
◆ 1647-31D	Ring, drive end spring	1	1	1
◆ 1647-31E	Plate, drive end felt washer	1	1	1
◆ 0129	Nut, armature shaft, 3/8"-24 UNF x 1/4", 9/16 AF, hex	1	1	1

Group 4600: Brush plate

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 1661-32	Holder, main brush	2	2	2
◆ 1662-32	Holder, third brush	1	1	1
◆ 1663-32	Insulation, positive brush holder	1	1	1
◆ 1663-32A	Insulation, field coil terminal	2	2	2
◆ 1664-32	Screw, positive terminal	2	2	2
◆ 0105	Nut, terminal screw, #10-32 UNF x 1/8", 5/16" AF, hex, brass	4	4	4
◆ 1665-32	Bushing, terminal screw	2	2	2
◆ 1666-32	Washer, terminal insulating	2	2	2
◆ 036	Screw, brush plate, #10-32 UNF x 1/2", fillister head	2	2	2
◆ 1667-32	Nut, negative brush holder screw	2	2	2
◆ 1669-32A	Brushes, set	1	1	1
◆ 1671-26	Brush, small	1	1	1
◆ 1674-26	Spring, small brush	1	1	1
◆ 1674-32	Spring, large brush	2	2	2
◆ 010	Screw, brush wire, #6-32 UNC x 1/4", fillister head	4	4	4
◆ 1696-32	Cover, commutator	1	1	1
◆ 1697-30	Gasket, commutator cover	1	1	1
◆ 037	Screw, commutator cover, #10-32 UNF x 5/8", fillister head	2	2	2

Group 4600: Spark coil

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 1722-30N	Coil, spark	1	1	1
◆ 1723-29	Bolt, spark coil (U)	2	2	2
◆ 1724-29	Strap, U bolt	2	2	2
◆ 0107	Nut, U bolt, 1/4"-20 UNC x 1/4", 1/2" AF, hex	4	4	4
◆ 1725-30	Screw, coil mounting plate	4	4	4
◆ 1728-30	Plate, coil mounting	1	1	1
◆ 021	Screw, coil terminal, #8-32 UNC x 3/8" fillister head	2	2	2

Group 4600: Handlebar switches



Figure 19 Handlebar Switches

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
4760-26N	Switch, horn	1	1	1
4760-29N	Switch, headlight	1	1	1
◆ 020	Screw, switch mounting, #8-32 UNC x 1/4", fillister head	4	4	4
◆ 4762-26	Button, horn switch	1	1	1
◆ 4764-26	Spring, horn button	1	1	1
◆ 4764-29	Lever, light switch	1	1	1
◆ 4766-26	Insulation, horn wire	1	1	1
◆ 4766-29	Insulation, light switch	1	1	1
◆ 4768-26N	Housing, horn switch	1	1	1
◆ 4768-29N	Housing, light switch	1	1	1
◆ 4770-29	Pin, light switch	1	1	1
◆ 4771-29	Spring, contact pin	1	1	1
◆ 4776-26	Plate, horn contact	1	1	1
◆ 4776-29	Block, light contact	1	1	1
◆ 4777-26	Washer, horn spring	1	1	1
◆ 4777-29	Plate, light retainer	1	1	1

Group 4605: Instrument panel and switch

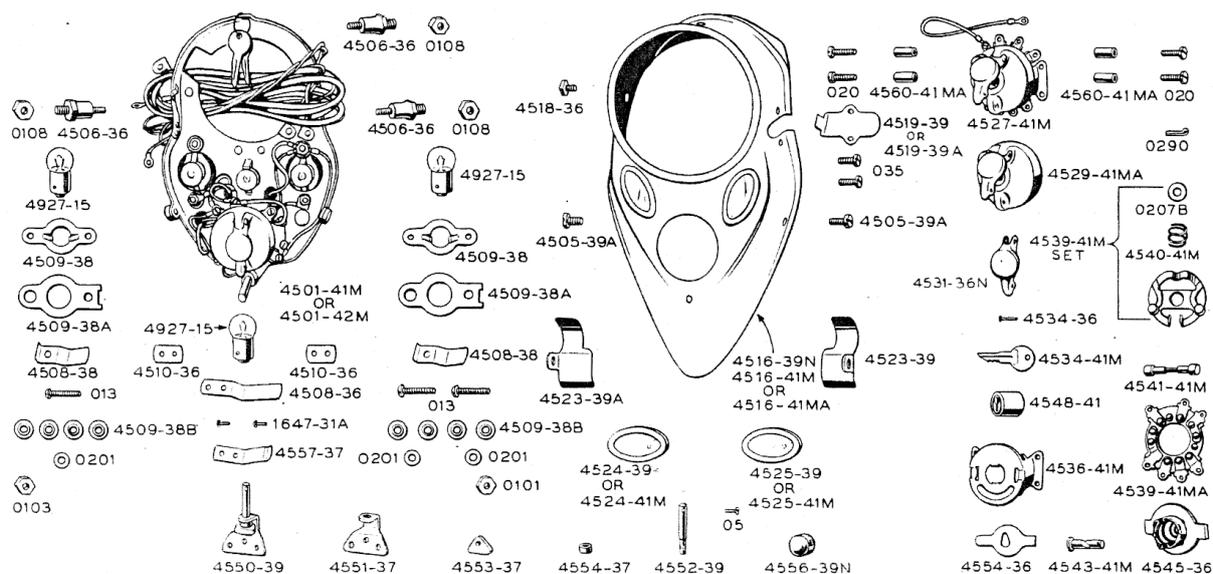


Figure 20 Instrument Panel and Switch

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
4501-41M	Base, panel less speedometer	1	1	0
4501-42M	Base, panel less speedometer	0	0	1
4505-39N	Base, panel	1	1	1
◆ 4506-36	Stud, panel base	3	3	3
◆ 0108	Nut, base stud, 1/4"-24 UNF x 5/32", 7/16 AF, hex	3	3	3
◆ 4927-15	Bulb, panel, 6-8V-3CP-SC, GE-#63L	3	3	3
◆ 4508-36	Spring, center bulb	1	1	1
◆ 4508-38	Spring, side bulb	2	2	2
◆ 4509-38	Socket, side bulb	2	2	2
◆ 4509-38A	Insulator, bulb socket	2	2	2
◆ 013	Screw, bulb socket, #6-32 UNC x 7/8", round head	1	1	1
◆ 0101	Nut, socket screw, #6-32 UNC x 7/64", 5/16" AF, hex	1	1	1
◆ 0103	Nut, socket screw, #8-32 UNC x 1/8", 5/16" AF, hex	1	1	1
◆ 0201	Washer, socket, 3/16" x 7/16" x 1/32", plain steel	8	8	8
◆ 4509-38B	Insulator, socket	9	9	9
◆ 4510-36	Insulator, center spring	2	2	2
◆ 1647-31A	Rivet, contact spring	2	2	2
4516-39N	Cover, instrument panel	1	0	0
4516-41M	Cover, instrument panel	0	1	0
4516-41MA	Cover, instrument panel	0	0	1
◆ 4518-36	Screw, panel cover	1	1	1
◆ 4505-39A	Screw, panel cover	2	2	2
◆ 4519-39	Plate, panel side	1	1	0
◆ 4519-39A	Plate, panel side	0	0	1
◆ 035	Screw, side plate, #10-32 UNF x 3/8", fillister head	2	2	4
◆ 4523-39	Shield, right panel	1	1	1
◆ 4523-39A	Shield, left panel	1	1	1
◆ 4524-39	Window and frame, green	1	0	0
4524-41M	Window and frame, green	0	1	1
◆ 4525-39	Window and frame, red	1	0	0
4525-41M	Window and frame, red	0	1	1
4527-41M	Switch, ignition	1	1	1
4529-41MA	Cover, switch	1	1	1
4531-36N	Cover, key hole	1	1	1
◆ 4534-36	River, cover	1	1	1
4534-41M	Key, mounting switch (Briggs & Stratton #52732-H-700)	1	1	1

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
4536-41M	Base, switch	1	1	1
4539-41M	Plate, switch (lower)	1	1	1
4539-41MA	Plate, switch (upper)	1	1	1
4540-41M	Spring, lower contact	1	1	1
4541-41M	Contact, roller	1	1	1
4548-41	Lock & keys	1	1	1
◆ 020	Screw, switch mounting, #8-32 UNC x 1/4", fillister head	4	4	4
◆ 4545-36	Holder, contact	1	1	1
◆ 010	Screw, terminal contact, #6-32 UNC x 1/4", fillister head	5	5	5
◆ 4554-36	Plate, switch lock	1	1	1
◆ 4550-39	Switch, panel light	1	1	1
◆ 4551-37	Bracket, panel switch	1	1	1
◆ 4551-37A	Rivet, bracket mounting	2	2	2
◆ 4552-39	Stem, panel switch	1	1	1
◆ 4553-37	Cam, panel switch	1	1	1
◆ 4554-37	Spacer, panel stem	1	1	1
◆ 4555-37	Washer, spring	1	1	1
◆ 0207B	Washer, plain, 260 x 9/16" x 0.0375", plain steel	1	1	1
4556-39N	Knob, panel switch	1	1	1
◆ 05	Screw, switch knob, #4-36 UNS x 1/4", round head, brass	1	1	1
◆ 4557-37	Spring, switch contact	1	1	1
◆ 1647-31A	Rivet, contact spring	1	1	1
◆ 4558-37	Washer, fiber insulating	2	2	2
◆ 4559-37	Washer, steel	2	2	2
4560-41MA	Spacer, switch mounting	4	4	4

Group 4606: Wiring

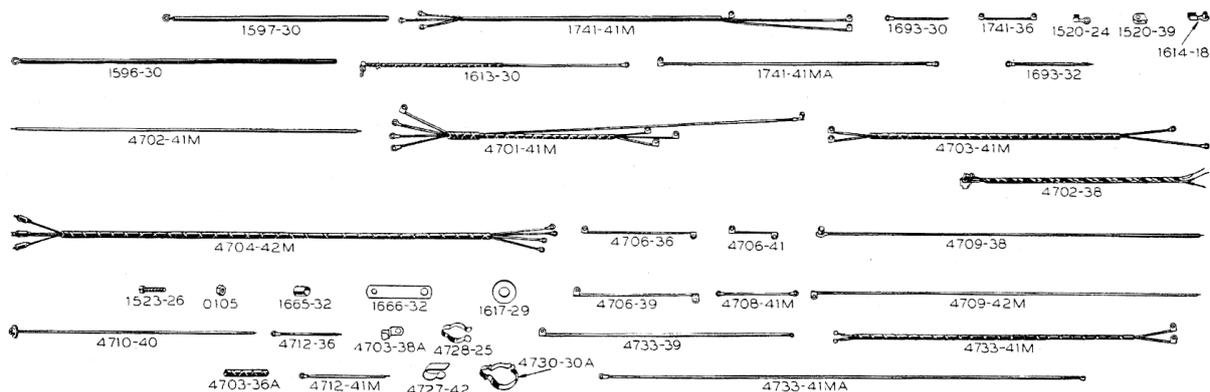


Figure 21 Wiring

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
	4736-41M Wiring, set	0	1	0
	4736-42M Wiring, set	1	0	1
◆	1596-30 Cable, spark plug, front	1	1	1
◆	1597-30 Cable, spark plug, rear	1	1	1
◆	1613-30 Wire, circuit breaker	1	1	1
◆	1693-30 Wire, field coil, 5-1/4"	2	2	2
◆	1693-32 Wire, field coil, 6-1/4"	2	2	2
◆	1741-36 Wire, generator to relay	1	1	1
	1741-41M Wire, generator to switch (for USA numbers under 65747)	1	1	1
	1741-41MA Wire, generator to battery (for USA numbers over 65747)	0	1	0
◆	1520-24 Terminal, small	14	14	14
◆	1520-39 Terminal	26	26	26
◆	1614-18 Terminal and eyelet	1	1	1
	4701-41M Wire, connection	1	1	1
◆	4702-38 Wire, head lamp	1	0	0
	4702-41M Wire, marker lamp	0	1	1
	4703-41M Wire, horn, toggle switch & black out lamp	1	1	1
	4704-41M Wire, stop and tail lamp	0	1	0
	4704-42M Wire, stop and tail lamp	1	0	1
◆	1523-26 Screw, terminal connection, #10-32 UNF x 1-1/4", fillister head	2	2	2
◆	0105 Nut, terminal screw, #10-32 UNF x 1/8", 5/16" AF, hex, brass	4	4	4
◆	1665-32 Insulator, terminal screw	2	2	2
◆	1666-32 Washer, terminal screw	4	4	4
◆	1617-29 Washer, fiber	2	2	2
◆	4706-36 Wire, negative ground	1	1	1
◆	4706-39 Wire, battery positive	1	1	1
◆	4706-41 Wire, battery ground	0	1	1
	4708-41M Wire, signal light	1	1	1
◆	4709-38 Wire, oil pressure switch	1	1	0
	4709-42M Wire, oil pressure switch	0	0	1
◆	4710-40 Wire, horn switch (42WLA to 611203)	1	1	1
◆	4707-39 Wire, horn switch (42WLA over 611203)	0	0	1
◆	4703-36A Conduit, switch panel	1	1	1
◆	4712-36 Wire, panel contact	1	0	1
	4712-41M Wire, panel contact	0	1	0
◆	4703-38A Clamp, horn wire	2	2	2
	4727-42 Clip, tail light wire	0	0	5
◆	4728-25 Clamp, 1-1/4"	1	1	1
◆	4730-30A Clamp, frame head	1	1	1
◆	4733-39 Wire, stop light switch	1	0	0

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
4733-41M	Wire, stop light switch	0	1	1
4733-41MA	Wire, stop light switch (change over)	1	1	1
* 4706-41M	Wire, with fuse holder (for USA numbers under 65747 use 4706-36)	0	1	0
* 4706-41MA	Fuse, 25 amperes (use 4706-36)	0	1	0
* 4706-41MB	Clip, fuse holder	0	1	0
* 4706-41MC	Wire, fuse holder red. (for USA numbers over 65747 use 4706-39)	0	1	0

* *Note: All models are being equipped with latest Harley Davidson black-out switches. Fuses are not considered necessary once the new black-out switches are installed. Negative battery wire number 4706-41M can be replaced with plain wire 4706-36. Positive wire number 4706-41MC can be replaced with wire number 4706-39.*

Groups 4607, 4608: Headlight & tail lamp parts

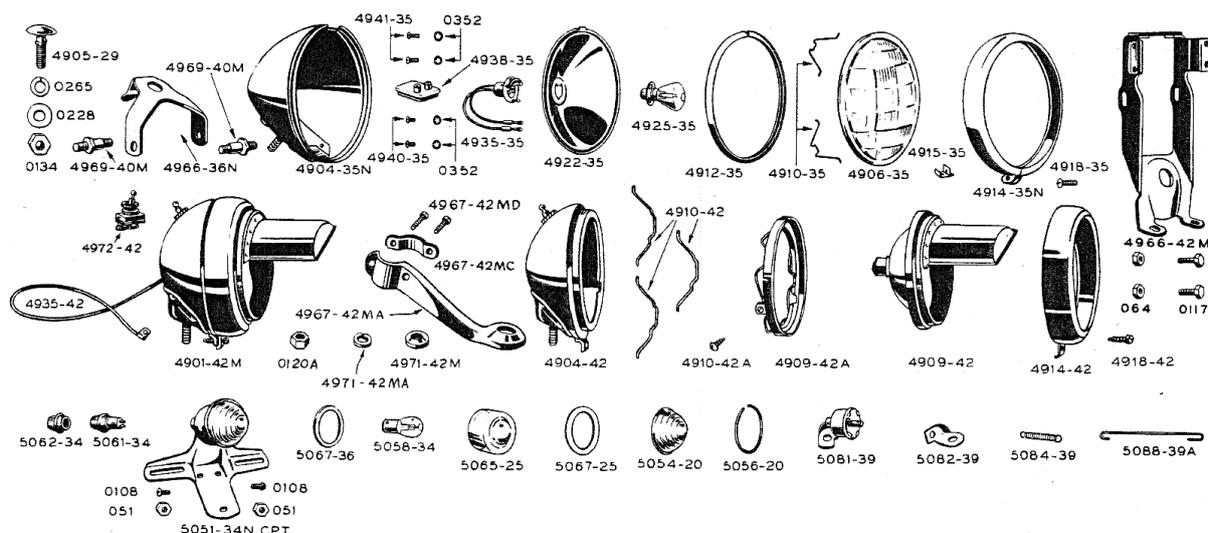


Figure 22 Headlight & tail lamp parts

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
4901-35N	Headlight, complete	1	1	1
4904-35N	Body, headlight	1	1	1
◆ 4905-29	Bolt, headlight fastening	1	1	1
◆ 4906-35	Lens, headlight	1	1	1
◆ 4910-35	Spring, lens retaining	2	2	2
◆ 4912-35	Washer, lens packing	1	1	1
4914-35N	Door, or bezel	1	1	1
◆ 4915-35	Lug, door	1	1	1
◆ 4918-35	Screw, door fastening	1	1	1
◆ 4922-35	Reflector	1	1	1
◆ 4925-35	Bulb, pre-focused, 32-21 CP-6V-DC, GE 2320L	1	1	1
◆ 4935-35	Wiring, lamp inside	1	1	1
◆ 4938-35	Block, terminal	1	1	1
◆ 4940-35	Screw, terminal, #8-32 UNC	2	2	2
◆ 4941-35	Screw, terminal, #10-32	2	2	2
4966-36N	Bracket, headlight (42WLA to 611203)	1	1	1
4966-42M	Bracket, headlight & horn (42WLA over 611203)	0	0	1
◆ 064	Bolt, bracket lower end, 5/16"-24 UNF x 3/4", 1/2" AF, hex head (42 WLA over 611203)	0	0	2
◆ 0117	Nut, bracket bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex (42WLA over 611203)	0	0	2
4969-40M	Bolt, lamp bracket	2	2	2
◆ 066	Bolt, bracket to handlebar	2	2	2
◆ 0117	Nut, bracket bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	2	2	2
◆ 0134	Nut, headlight fastening, 7/16"-20 UNF x 1/2", 5/8" AF, hex special	1	1	1
4901-42M	Lamp, black out head, less bracket	0	0	1
4904-42	Body, black out headlight	0	0	1
4909-42	Unit, black out light sealed	0	0	1
4909-42A	Retainer, black out sealed unit	0	0	1
4910-42	Clip, retainer spring	0	0	3
4910-42A	Screw, retainer	0	0	1
4914-42	Door, only black out	0	0	1
4918-42	Screw, door	0	0	1
4935-42	Wire, black out lamp	0	0	1
4967-42MA	Bracket, black out mounting	0	0	1
4971-42M	Washer, black out bearing	0	0	1
4971-42MA	Washer, mounting bolt lock	0	0	1

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
♦ 0120A	Nut, mounting bolt lock, 3/8"-16 UNC x 5/16", 9/16" AF, hex	0	0	1
4967-42MC	Cap, black out lamp bracket	0	0	1
4967-42MD	Screw, bracket cap	0	0	2
4972-42	Switch, black out toggle	0	0	1
4972-42A	Gasket, toggle switch	0	0	1
4972-42B	Screw, toggle switch	0	0	2
5051-34N	Lamp, complete, stop & tail	0	1	0
♦ 5054-20	Lens, red	0	1	0
♦ 5056-20	Retainer, red lens	0	1	0
♦ 5058-34	Bulb, rear lamp, 21-3CP, 6V, DC double filament bulb, GE#1158	0	1	0
♦ 5061-34	Plug and cap, connector	0	1	0
♦ 5062-34	Cap, connector plug	0	1	0
♦ 5063-30	Screw, connector plug	0	2	0
♦ 5065-25	Window, for license	0	1	0
♦ 5067-25	Gasket, stop light, paper (thick)	0	1	0
♦ 5067-36	Gasket, stop light, thin	0	1	0
♦ 5081-39	Switch, stop light	1	1	1
♦ 5082-39	Bracket, switch mounting	1	1	1
♦ 5084-39	Spring, stop light	1	1	1
♦ 5088-39A	Wire, stop light pull	1	1	1
♦ 051	Screw, license bracket, 1/4"-24 UNF x 1/2", round head	2	2	2
♦ 0108	Nut, bracket screw, 1/4"-24 UNF x 5/32", 7/16" hex	2	2	2
Note:	<i>The original service tail lamps on 1940 models are being replaced with the 1942 type (latest) black out rear lamps, brackets and wiring harness.</i>			

Group 4608: Black out light & parts

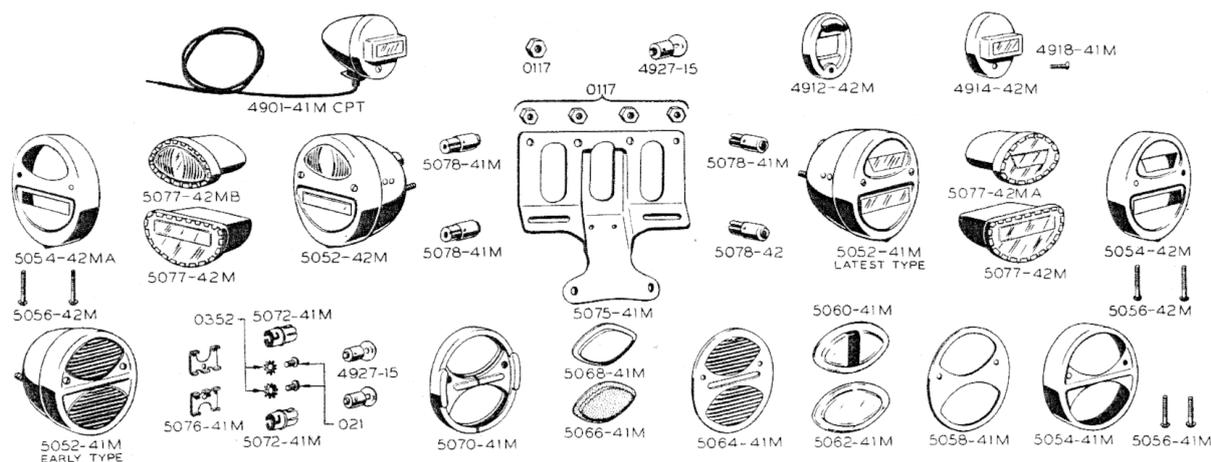


Figure 23 Black out light & parts

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
4901-41M	Light, marker	1	1	1
◆ 0117	Nut, for mounting lamp, 5/16"-24 UNF x 17/64", 1/2" AF, hex	1	1	1
◆ 4927-15	Bulb, lamp, 3 CP, 6-8 V, SC, GE#63	1	1	1
* 4906-41M	Lens	0	1	0
* 4908-41M	Louvre, for lens	0	1	0
* 4910-41M	Filter, for lens	0	1	0
* 4912-41M	Rubber, packing	0	1	0
* 4914-41M	Molding, only	0	1	0

* Note: Items marked thus (*) can easily be replaced by installing the new sealed door and lens unit 4914-42M. The new type unit should be used wherever practicable.

4912-42M	Packing, rubber	1	1	1
4914-42M	Door, complete	1	1	1
4918-42M	Screw, door	1	1	1
5052-41M	Lamp, black out, rear	1	1	1
5052-42M	Lamp, black out and service, rear	1	1	1
◆ 0107	Nut, lamp mounting, 1/4"-20 UNC x 1/4", 1/2" AF, hex	4	4	4
5053-41M	Insulator, tail lamp	3	2	3
5054-41M	Door, only	0	1	0
5054-42M	Door, black out lamp	1	1	1
5054-42MA	Door, service lamp	1	1	1
5056-41M	Screw, for door	0	2	0
5056-42M	Screw, door	4	4	4
5058-41M	Gasket, between lenses & door	0	1	0
5060-41M	Lens, tail light	0	1	0
5062-41M	Lens, stop light	0	1	0
5064-41M	Louvre, plate	0	1	0
5066-41M	Filter, red	0	1	0
5058-41M	Filter, amber	0	1	0
5070-41M	Block, lens mounting	0	1	0
◆ 4927-15	Bulb, 3 CP, 6-8 V, SC, GE#63	0	2	0
5072-41M	Socket, for bulb	0	2	0
5074-41M	Gasket, for socket	0	2	0
5076-41M	Retainer, for socket	0	2	0
◆ 021	Screw, for retainer, #8-32 UNC x 3/8", fillister head	0	2	0
5075-41M	Bracket, stop light	1	1	1
5077-42M	Unit, tail lamp complete	2	2	2
5077-42MA	Unit, stop light complete	1	1	1
5077-42MB	Unit, service complete	1	1	1
5078-41M	Plug, connector	3	3	3
5078-42	Plug, connector	1	1	1

Group 4609: Horn

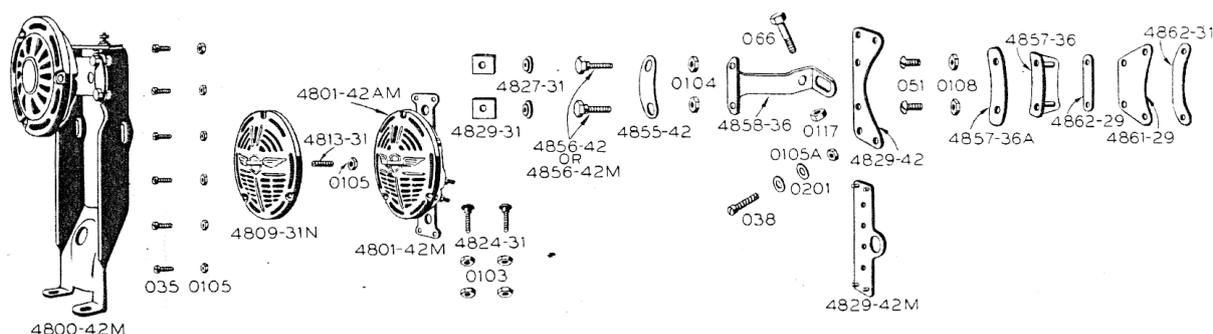


Figure 24 Horn

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
4800-42M	Horn and bracket assembly (42WLA to 611203)	1	1	1
Note:	<i>The above assembly provides all the fittings necessary to move the headlight to the lowered position.</i>			
4801-42M	Horn, assembly (42WLA to 611203)	1	1	1
4801-42AM	Horn, only (42WLA over 611203)	0	0	1
◆ 4809-31N	Front, horn	1	1	1
◆ 035	Screw, projector, #10-32 UNF x 3/8", fillister head	6	6	6
◆ 0105	Nut, projector screw, #10-32 UNF x 1/8", 5/16" AF, hex, brass	6	6	6
◆ 4813-31	Screw, adjusting	1	1	1
◆ 0105	Nut, adjusting screw, #10-32 UNF x 1/8", 5/16" AF, hex, brass	1	1	1
◆ 4824-31	Screw, terminal	2	2	2
◆ 0103	Nut, terminal, #8-32 UNC x 1/8", 5/16" AF, hex	4	4	4
◆ 4827-31	Bushing, terminal screw	2	2	2
◆ 4829-31	Fiber, terminal screw	2	2	2
4829-42	Plate, horn terminal (42WLA to 611203)	1	1	1
4829-42M	Plate, horn terminal (42WLA over 611203)	0	0	1
◆ 038	Screw, terminal plate, #10-32 UNF x 3/4", fillister head	1	1	1
◆ 0201	Washer, terminal plate screw, 3/16" x 7/16" x 1/32", plain steel	2	2	2
◆ 0105A	Nut, terminal plate screw, #10-32 UNF x 1/8", 3/8" AF, hex	1	1	1
◆ 4855-42	Plate, bracket spring	1	1	1
◆ 4856-42	Bolt, horn bracket (42WLA to 611203)	2	2	2
4856-42M	Bolt, horn mounting (42WLA over 611203)	0	0	2
◆ 036	Screw, horn mounting, #10-32 UNF x 1/2", filister head (42WLA over 611203)	0	0	2
◆ 0104	Nut, horn bracket plate bolt, #10-24 UNC x 1/8", 3/8" AF, hex	4	4	4
◆ 4857-36	Bracket, horn (lower)	1	1	1
◆ 4857-36A	Reinforcement, horn bracket (42WLA to 611203)	1	1	1
◆ 051	Bolt, bracket, 1/4"-24 UNF x 1/2", round head	2	2	2
◆ 0108	Nut, bracket bolt, 1/4"-24 UNF x 5/32, 7/16" AF, hex	2	2	2
◆ 4858-36	Bracket, horn upper (42WLA to 611203)	1	1	1
066	Bolt, upper bracket to fork, 5/16"-24 UNF x 1", 1/2" AF, hex head	1	1	1
◆ 0117	Nut, upper bracket bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	1	1	1
◆ 4861-29	Spring, horn bracket	2	2	2
◆ 4862-29	Plate, straight spring	3	3	3
◆ 4862-31	Plate, curved spring	6	6	6

Group 4700: Transmission parts

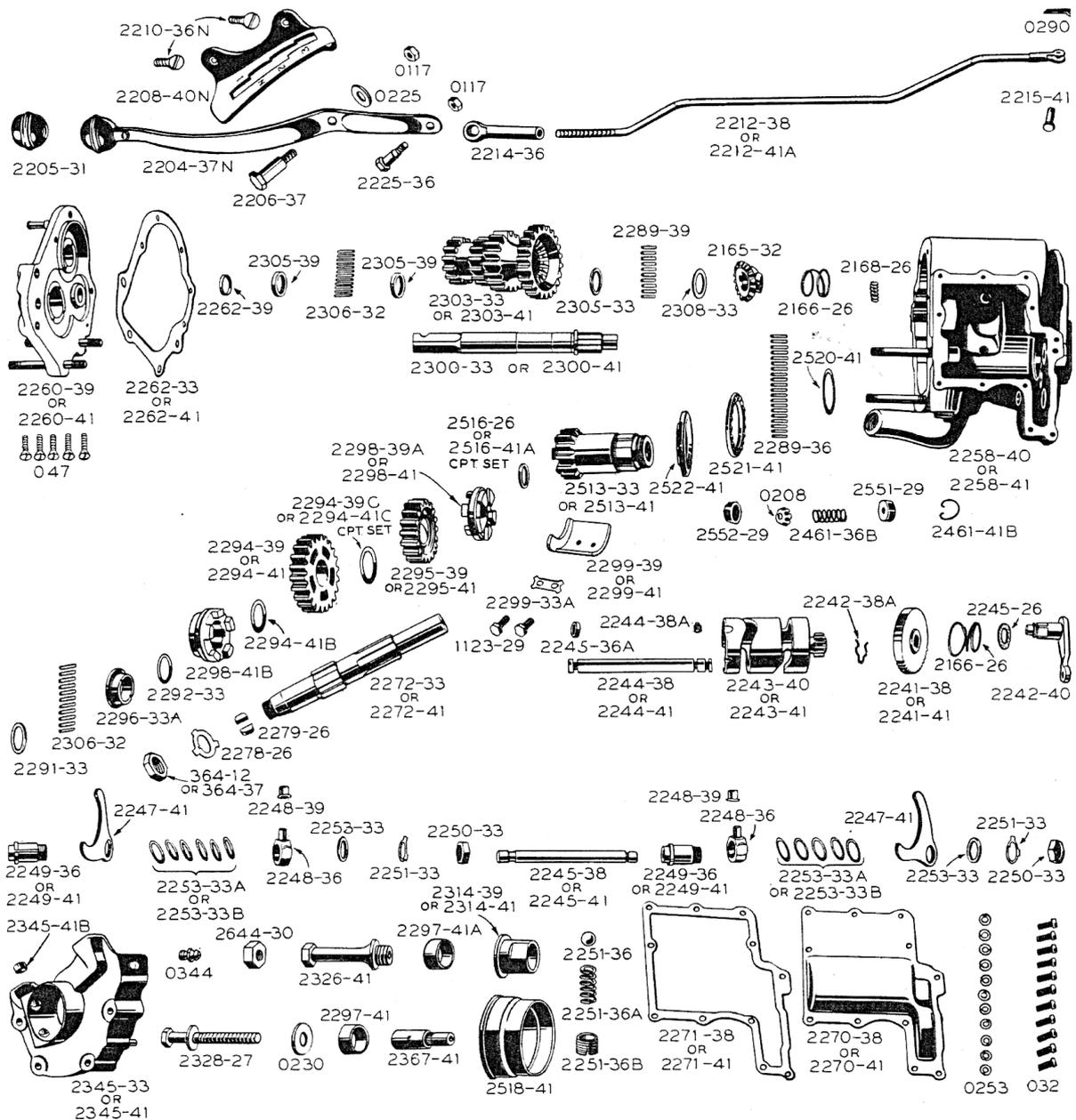


Figure 25 Transmission parts

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
2202-40M	Transmission, complete	1	0	0
2202-41D	Transmission, complete	0	1	1
2204-37N	Lever, shifte	1	1	1
♦ 2205-31	Ball, gear shifter	1	1	1
♦ 2206-37	Stud, shifter lever	1	1	1
♦ 0225	Washer, stud plain, 3/8" x 13/16" x 7/64", plain steel, special	1	1	1
♦ 0117	Nut, stud, 5/16"-24 UNF x 17/64", 1/2" AF, hex	1	1	1
2208-40N	Guide, shifter	1	1	1
2210-36N	Screw, shifter guide	2	2	2
♦ 2212-38	Rod, shifter	1	0	0
♦ 2212-41A	Rod, shifter	0	1	1
♦ 2214-36	End, shifter rod	1	1	1
♦ 2215-41	Pin, shifter rod clevis	0	1	1
♦ 2225-36	Bolt, shifter rod end	1	1	1

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 0117	Nut, shifter rod end bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	1	1	1
◆ 2241-38	Gear, shifter	1	0	0
◆ 2241-41	Gear, shifter	0	1	1
◆ 2216-26	Spring, gear shifter	1	1	1
◆ 2242-40	Shaft, shifter lever	1	1	1
◆ 2242-38A	Spring, gear retaining	1	1	1
◆ 2243-40	Cam, shifting	1	0	0
◆ 2243-41	Cam, shifting	0	1	1
◆ 2244-38	Shaft, shifter cam	1	0	0
◆ 2244-41	Shaft, shifter cam	0	1	1
◆ 2244-38A	Screw, cam shaft lock	1	1	1
◆ 2245-36A	Seal, cam shaft oil	1	1	1
◆ 2245-38	Shaft, shifting fork	1	0	0
◆ 2245-41	Shaft, shifting fork	0	1	1
◆ 2246-33	Fork, shifting - 2 nd and high	1	0	0
◆ 2247-33	Fork, shifting - low and reverse	1	0	0
◆ 2247-41	Fork, gear shifter	0	2	2
◆ 2248-36	Finger, shifting	2	2	2
◆ 2248-39	Roller, finger	2	2	2
◆ 2249-36	Bushing, shifting fork	2	0	0
◆ 2249-41	Bushing, shifting fork	0	2	2
◆ 2250-33	Nut, bushing	2	2	2
◆ 2251-33	Washer, lock bushing	2	2	2
◆ 2251-36	Ball, cam plunger	1	1	1
◆ 2251-36A	Spring, plunger ball	1	1	1
◆ 2251-36B	Screw, cam plunger cap	1	1	1
◆ 2253-33	Shim, spacer 5/64" thick	2	2	2
◆ 2253-33A	Shim, spacer 0.014" thick	2	2	2
◆ 2253-33B	Shim, spacer 0.007" thick	2	2	2
◆ 2258-40	Box, gear only	1	0	0
◆ 2258-41	Box, gear only	0	1	1
◆ 2260-39	Cover, gear box side	1	0	0
◆ 2260-41	Cover, gear box side	0	1	1
◆ 047	Screw, gear box cover, #12-24 UNC x 13/16", oval countersunk head	5	5	5
◆ 2262-33	Gasket, side cover	1	0	0
◆ 2262-41	Gasket, side cover	0	1	1
◆ 2262-39	Washer, case cover	1	1	1
◆ 2270-38	Cover, inspection hole	1	0	0
◆ 2270-41	Cover, inspection hole	0	1	1
◆ 2271-38	Gasket, cover	1	0	0
◆ 2271-41	Gasket, cover	0	1	1
◆ 032	Screw, gear box cover, #10-24 UNC x 5/8", fillister head	6	11	11
◆ 2272-33	Shaft, main	1	0	0
◆ 2272-41	Shaft, main	0	1	1
◆ 364-12	Nut, mainshaft	1	0	0
◆ 364-37	Nut, mainshaft	0	1	1
◆ 2278-26	Washer, mainshaft lock	1	1	1
◆ 2279-26	Key, mainshaft	2	2	2
◆ 2516-26B	Spacer, mainshaft 0.090"	1	0	0
◆ 2516-26C	Spacer, mainshaft 0.095"	1	0	0
◆ 2516-26D	Spacer, mainshaft 0.100"	1	0	0
◆ 2516-26E	Spacer, mainshaft 0.105"	1	0	0
◆ 2516-26F	Spacer, mainshaft 0.110"	1	0	0
◆ 2516-26G	Spacer, mainshaft 0.115"	1	0	0
◆ 2516-26H	Spacer, mainshaft 0.120"	1	0	0
◆ 2516-26JA	Spacer, mainshaft 0.125"	1	0	0

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 2516-26KA	Spacer, mainshaft 0.130"	1	0	0
◆ 2516-26LA	Spacer, mainshaft 0.135"	1	0	0
◆ 2516-26MA	Spacer, mainshaft 0.140"	1	0	0
◆ 2516-41B	Spacer, mainshaft 0.078"	0	1	1
◆ 2516-41C	Spacer, mainshaft 0.083"	0	1	1
◆ 2516-41D	Spacer, mainshaft 0.088"	0	1	1
◆ 2516-41E	Spacer, mainshaft 0.093"	0	1	1
◆ 2516-41F	Spacer, mainshaft 0.098"	0	1	1
◆ 2516-41G	Spacer, mainshaft 0.103"	0	1	1
◆ 2516-41H	Spacer, mainshaft 0.108"	0	1	1
◆ 2516-41JA	Spacer, mainshaft 0.113"	0	1	1
◆ 2516-26A	Spacer, mainshaft - (set)	1	0	0
◆ 2516-41A	Spacer, mainshaft - (set)	0	1	1
◆ 2289-39	Roller, countershaft	24	24	24
◆ 2290-33	Race, outer bearing	1	1	1
◆ 2306-32	Roller, mainshaft	21	21	21
◆ 2291-33	Washer, bearing thrust	1	1	1
◆ 2292-33	Washer, thrust	2	1	1
◆ 2293-36	Washer, sprocket side	1	0	0
◆ 2293-41	Washer, sprocket side	0	1	1
◆ 2293-36A	Ring, oil seal - in sprocket	1	1	1
◆ 2524-36	Washer, set oil retaining	1	0	0
◆ 2512-41	Seal, clutch gear oil	0	1	1
◆ 2513-33	Gear, clutch	1	0	0
◆ 2513-41	Gear, clutch	0	1	1
◆ 2518-41	Race, left bearing outer	0	1	1
◆ 2289-23	Roller, left bearing	0	40	40
◆ 2520-41	Washer, left bearing thrust	0	1	1
◆ 2520-41A	Washer, left bearing retaining	0	1	1
◆ 2521-41	Bearing and balls, thrust	0	1	1
◆ 2522-41	Race, thrust bearing	0	1	1
◆ 2294-39	Gear, low (first)	1	0	0
◆ 2294-41	Gear, low (first)	0	1	1
◆ 2294-39AB	Washer, low & 2 nd gear 0.029"	1	0	0
◆ 2294-39AC	Washer, low & 2 nd gear 0.032"	1	0	0
◆ 2294-39AD	Washer, low & 2 nd gear 0.035"	1	0	0
◆ 2294-39AE	Washer, low & 2 nd gear 0.038"	1	0	0
◆ 2294-39AF	Washer, low & 2 nd gear 0.041"	1	0	0
◆ 2294-41AB	Washer, 2 nd gear 0.040"	0	1	1
◆ 2294-41AC	Washer, 2 nd gear 0.045"	0	1	1
◆ 2294-41AD	Washer, 2 nd gear 0.050"	0	1	1
◆ 2294-41AE	Washer, 2 nd gear 0.055"	0	1	1
◆ 2294-41AF	Washer, 2 nd gear 0.060"	0	1	1
◆ 2294-41AG	Washer, 2 nd gear 0.065"	0	1	1
◆ 2294-41AH	Washer, 2 nd gear 0.070"	0	1	1
◆ 2294-41AI	Washer, 2 nd gear 0.075"	0	1	1
◆ 2294-39C	Washer, complete set	1	0	0
◆ 2294-41C	Washer, complete set	0	1	1
◆ 2294-41B	Washer, low gear end	0	1	1
◆ 2295-39	Gear, second	1	0	0
◆ 2295-41	Gear, second	0	1	1
◆ 2296-33A	Collar, spacing	1	1	1
◆ 2297-39A	Bushing, second gear	1	0	0
◆ 2297-39B	Bushing, low gear	1	0	0
◆ 2297-41	Bushing, second gear	0	1	1
◆ 2297-41A	Bushing, low gear	0	1	1
◆ 2298-36	Clutch, low shifter	1	0	0
◆ 2298-39A	Clutch, 2 nd and high shifter	1	0	0

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 2298-41	Clutch, 2 nd and high shifter	0	1	1
◆ 2298-41B	Clutch, low gear shift	0	1	1
◆ 2299-39	Bracket, 2 nd gear retaining	1	0	0
◆ 2299-41	Bracket, 2 nd gear retaining	0	1	1
◆ 1123-29	Bolt, second gear bracket	2	2	2
◆ 2299-33A	Washer, bracket bolt	1	1	1
◆ 2300-33	Countershaft	1	0	0
◆ 2300-41	Countershaft	0	1	1
◆ 2303-33	Gear, countershaft	1	0	0
◆ 2303-41	Gear, countershaft	0	1	1
◆ 2367-41	Shaft, idler gear	0	1	1
◆ 2305-33	Washer, inner thrust	1	1	1
◆ 2305-39	Washer, countershaft bearing right	2	2	2
◆ 2306-32	Roller, countershaft, standard	40	40	40
◆ 2306-32D	Roller, countershaft, 0.0002" oversize	40	40	40
◆ 2306-32F	Roller, countershaft, 0.0004" oversize	40	40	40
◆ 2306-32H	Roller, countershaft, 0.0006" oversize	40	40	40
◆ 2306-32KA	Roller, countershaft, 0.0008" oversize	40	40	40
◆ 2306-32MA	Roller, countershaft, 0.0010" oversize	40	40	40
◆ 2289-39	Roller, countershaft, 0.114" x 3/4"	24	24	24
◆ 2308-33	Plate, countershaft gear end	1	1	1
◆ 2312-26	Bushing, countershaft left	1	1	1
◆ 2314-39	Bushing, countershaft, gear box	1	0	0
◆ 2314-41	Bushing, countershaft, gear box	0	1	1
◆ 2318-26	Stud, gear box mounting	2	3	3
◆ 0230	Washer, stud plain, 7/16" x 15/16" x 0.134", plain steel, special	2	3	3
◆ 2644-30	Nut, mounting stud	2	3	3
◆ 2326-35	Plug, gear box filler	1	0	0
◆ 2326-41	Plug, gear box filler	0	1	1
◆ 2328-27	Screw, gear box adjusting	1	1	1
◆ 2345-33	Cover, sprocket	1	0	0
◆ 2345-41	Cover, sprocket	0	1	1
◆ 2345-32A	Bushing, sprocket cover, upper	1	0	0
◆ 2345-32B	Bushing, sprocket cover, lower	1	0	0
◆ 2345-36	Guard, push rod bearing	1	0	0
◆ 2345-41B	Bushing, sprocket cover	0	2	2
◆ 2346-32	Pin, sprocket cover	1	0	0
◆ 2346-33	Stud, sprocket cover	2	2	2
◆ 2346-33A	Stud, sprocket cover	1	1	1
◆ 2346-33B	Stud, sprocket cover (2-5/16")	1	1	1
◆ 0117	Nut, sprocket cover, 5/16"-24 UNF x 17/64", 1/2" AF, hex	4	4	4
◆ 2346-41	Pin, sprocket cover	0	1	1
◆ 0344	Fitting, grease	1	1	1

Group 4707: Starter parts

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 2165-32	Clutch, starter	1	1	1
◆ 2466-26	Spring, starter clutch	1	1	1
◆ 2168-26	Spring, countershaft	1	1	1
◆ 2172-26	Bolt, tripper	2	2	2
◆ 2173-26	Nut, tripper bolt	2	0	0
◆ 2173-41	Nut, tripper bolt	0	2	2

Group 4707: Starter crank and pedal

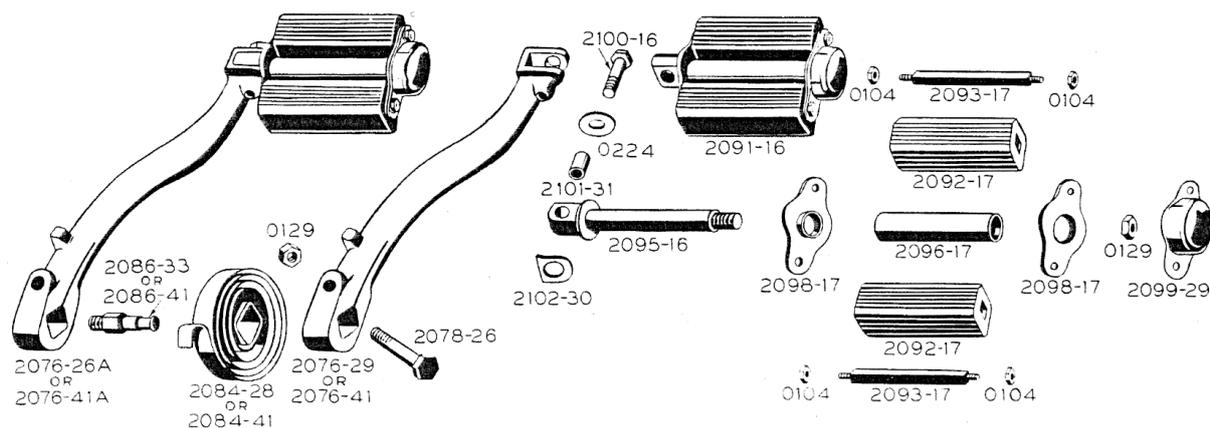


Figure 26 Starter parts

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
♦ 2076-26A	Crank, starter complete	1	0	0
♦ 2076-41A	Crank, starter complete	0	1	1
♦ 2076-29	Crank, starter	1	0	0
♦ 2076-41	Crank, starter	0	1	1
♦ 2078-26	Bolt, crank clamp	1	1	1
♦ 0129	Nut, crank bolt, 3/8"-24 UNF x 1/4", 9/16" AF, hex	1	1	1
♦ 2084-28	Spring, starter crank	1	0	0
♦ 2084-41	Spring, starter crank	0	1	1
♦ 2086-33	Stud, starter spring	1	0	0
♦ 2086-41	Stud, starter spring	0	1	1
♦ 2091-16	Pedal, starter	1	1	1
♦ 2092-17	Rubber, pedal	2	2	2
♦ 2093-17	Rod, pedal rubber	2	2	2
♦ 0104	Nut, rod, #10-24 UNF x 1/8", 3/8" AF, hex	4	4	4
♦ 2095-16	Pin, pedal	1	1	1
♦ 2096-17	Cover, pedal pin	1	1	1
♦ 0129	Nut, starter pedal pin, 3/8"-24 UNF x 1/4", 9/16" AF, hex	1	1	1
♦ 0224	Washer, pedal pin, 3/8" x 13/16" x 1/16", plain steel	1	1	1
♦ 2098-17	Plate, pedal end	2	2	2
♦ 2099-29	Cover, pedal end	1	1	1
♦ 2100-16	Bolt, pedal pin	1	1	1
♦ 2101-31	Bushing, pedal pin	1	1	1
♦ 2102-30	Washer, pedal pin spring	1	1	1

Groups 4903, 5706: Drive chains & repair links

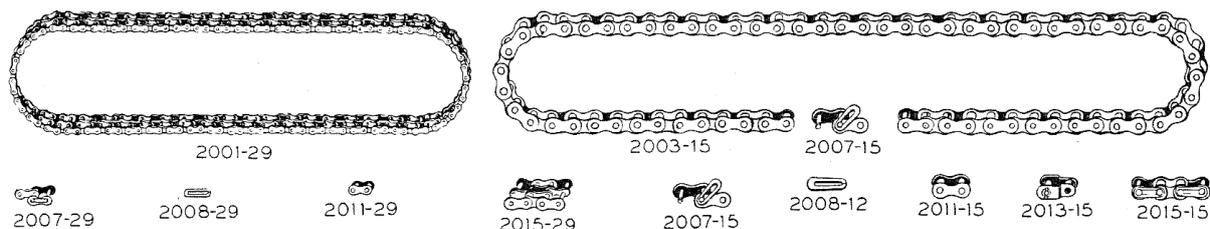


Figure 27 Drive chains & repair links

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
♦ 2001-29	Chain, 100 links, front	1	1	1
♦ 2003-15	Chain, rear, 58-3/4"	1	1	1
♦ 2007-15	Link, connecting, rear, for Duckworth 171 chain	1	1	1
♦ 2007-29	Link, connecting, front, for Duckworth D35 chain	1	1	1
♦ 2008-12	Spring, connecting link, rear, for Duckworth 171 chain	1	1	1
♦ 2008-29	Spring, connecting link, front, for Duckworth D35 chain	1	1	1
♦ 2011-15	Block, rear roller, rear, for Duckworth 171 chain	1	1	1
♦ 2011-29	Block, rear roller, front, for Duckworth D35 chain	1	1	1
♦ 2013-15	Link, rear offset, for Duckworth 171 chain	1	1	1
♦ 2015-15	Link, double repair, rear, for Duckworth 171 chain	1	1	1
♦ 2015-29	Link, double repair, front, for Duckworth D35 chain	1	1	1

Group 4903: Sprockets

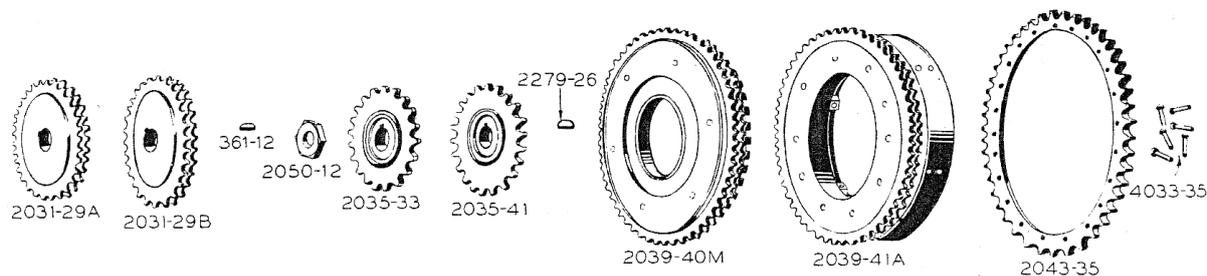


Figure 28 Sprockets

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
♦ 2031-29A	Sprocket, motor, 31 teeth	0	1	1
♦ 2031-29B	Sprocket, motor, 33 teeth	1	0	0
♦ 361-12	Key, motor sprocket	1	1	1
♦ 2050-12	Nut, motor sprocket	1	1	1
♦ 2035-33	Sprocket, countershaft, 16 teeth	1	0	0
♦ 2035-41	Sprocket, countershaft, 17 teeth	0	1	1
♦ 2279-26	Key, countershaft sprocket	2	2	2
♦ 2039-40M	Sprocket, clutch, 59 teeth	1	0	0
♦ 2029-41A	Sprocket, clutch, 59 teeth	0	1	1
♦ 2043-35	Sprocket, rear wheel, 41 teeth	1	1	1
♦ 4033-35	Rivet, sprocket	24	24	24

Group 5200: Rear wheel brake parts

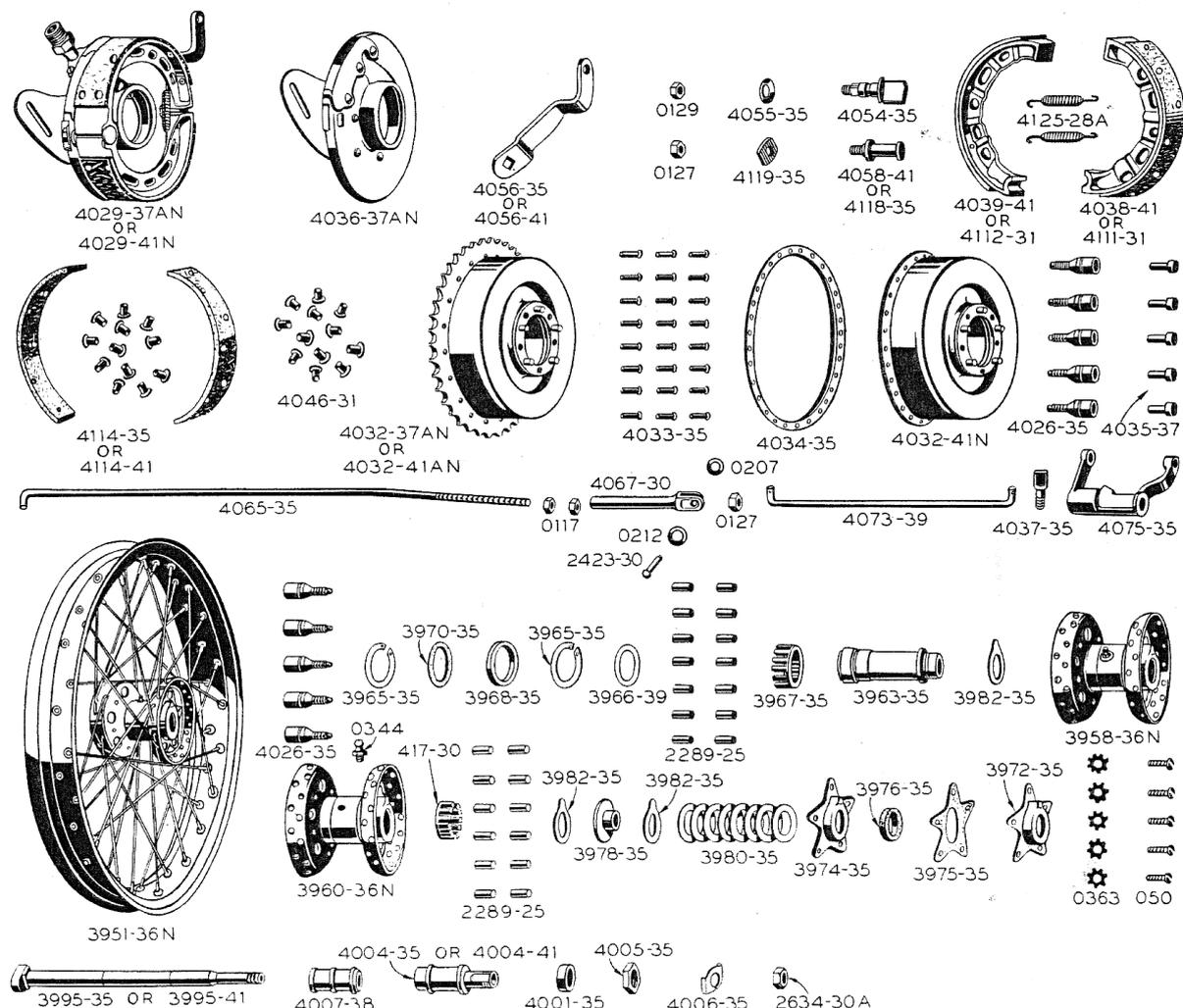


Figure 29 Rear wheel and brake parts

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
♦ 4026-35	Screw, wheel mounting	5	5	5
♦ 4026-35S	Screw, wheel mounting (oversize)	5	5	5
4029-37AN	Brake, rear	1	0	0
4029-41N	Brake, rear	0	1	1
4032-37N	Shell and sprocket, brake	1	0	0
4032-37AN	Shell and hub, less sprocket	1	0	0
4032-41N	Shell and sprocket, rear	0	1	1
4032-41AN	Shell and hub, less sprocket	0	1	1
♦ 4033-35	Rivet, brake shell	24	24	24
♦ 4034-35	Ring, brake shell	1	1	1
♦ 4035-37	Dowel, brake hub	5	5	5
4036-37AN	Cover, brake side	1	1	1
♦ 4111-31	Shoe, complete brake, upper	2	0	0
♦ 4112-31	Shoe, complete brake, lower	2	0	0
♦ 4038-41	Shoe, complete brake, upper	0	1	1
♦ 4039-41	Shoe, complete brake, lower	0	1	1
♦ 4046-31	River, brake lining	26	26	26
♦ 4114-35	Lining, set rear brake	1	0	0
♦ 4114-41	Lining, set rear brake	0	1	1
♦ 4125-28A	Spring, brake	2	2	2
♦ 4054-35	Shaft, brake operating	1	1	1
♦ 0129	Nut, operating shaft, 3/8"-24 UNF x 1/4", 9/16" AF, hex	1	1	1

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 4055-35	Washer, spring shaft	1	1	1
◆ 4056-35	Lever, brake operating	1	0	0
◆ 4056-41	Lever, brake operating	0	1	1
◆ 4118-35	Stud, brake shoe pivot	1	0	0
◆ 4058-41	Stud, brake shoe pivot	0	1	1
◆ 4119-35	Plate, pivot stud	1	1	1
◆ 0127	Nut, pivot stud, 3/8"-24 UNF x 1/4", 9/16" AF, hex	1	1	1
◆ 4065-35	Rod, rear brake	1	1	1
◆ 0117	Nut, rear brake rod, 5/16"-24 UNF x 17/64", 1/2" AF, hex	2	2	2
◆ 4067-30	Clevis, rear brake rod	1	1	1
◆ 2423-30	Pin, brake rod clevis	1	1	1
◆ 0207	Washer, clevis pin, 1/4" x 7/16" x 0.035", plain steel	1	1	1
◆ 0212	Washer, brake rod, 5/16" x 9/16" x 1/32", plain steel	1	1	1
◆ 4037-35	Stud, brake arm anchor	1	1	1
◆ 0127	Nut, anchor stud, 3/8"-24 UNF x 21/64", 9/16" AF, hex	1	1	1
◆ 4073-39	Rod, foot pedal brake	1	1	1
◆ 4075-35	Shaft, brake crossover	1	1	1

Group 5300: Rear wheel and parts

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
3951-36N	Wheel, complete less tire	1	1	1
3958-36N	Hub, complete	1	1	1
3960-36N	Shell, hub only	1	1	1
◆ 3963-35	Sleeve, roller bearing	1	1	1
◆ 3965-35	Ring, lock retaining	2	2	2
◆ 3966-39	Washer, brake thrust	1	1	1
◆ 3967-35	Retainer, roller large	1	1	1
◆ 2289-25	Roller	14	14	14
◆ 3968-35	Washer, sprocket side	1	1	1
◆ 3970-35	Retainer, cork washer	1	1	1
◆ 3972-35	Cover, outer bearing	1	1	1
◆ 050	Screw, outer cover, 1/4"-24 UNF x 7/16", round head	5	5	5
◆ 0363	Washer, outer cover screw, #14x1/4", internal tooth shake-proof	5	5	5
◆ 3974-35	Cover, inner bearing	1	1	1
◆ 3975-35	Gasket, inner cover	1	1	1
◆ 3976-35	Washer, small-cork	1	1	1
◆ 3978-35	Sleeve, hub thrust	1	1	1
◆ 3980-35	Shims, thrust adjusting, 0.002"	7-9	7-9	7-9
◆ 3982-35	Washer, thick thrust	2	2	2
◆ 417-30	Retainer, small bearing	1	1	1
◆ 2289-25	Roller, small	12	12	12
◆ 4026-35	Screw, wheel mounting	5	5	5
◆ 4026-35S	Screw, wheel mounting (oversize)	5	5	5

Group 5300: Rear axle and fittings

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 3995-35	Axle, rear	1	0	0
◆ 3995-41	Axle, rear	0	1	1
◆ 2634-30A	Nur, rear axle	1	1	1
◆ 4001-35	Spacer, rear axle	1	1	1
◆ 4006-35	Washer, axle nut lock	1	1	1
◆ 4004-35	Sleeve, axle	1	0	0
◆ 4004-41	Sleeve, axle	0	1	1
◆ 4005-35	Nut, axle sleeve	1	1	1
◆ 4007-38	Spacer, axle	1	1	1

Group 5300: Rims & sprockets

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
3940-35N	Rim, 18", rear	1	1	1
3941-30N	Rim, 18", front	1	1	1
3943-30N	Spoke, front wheel, 8-3/8"	20	20	20
3945-30N	Spoke, front wheel, 5-5/16"	20	20	20
3943-36N	Spoke, rear wheel	40	40	40
3947-16N	Nipple, front wheel	40	40	40
3947-29N	Nipple, rear wheel	40	40	40

Group 5300: Front wheel & parts

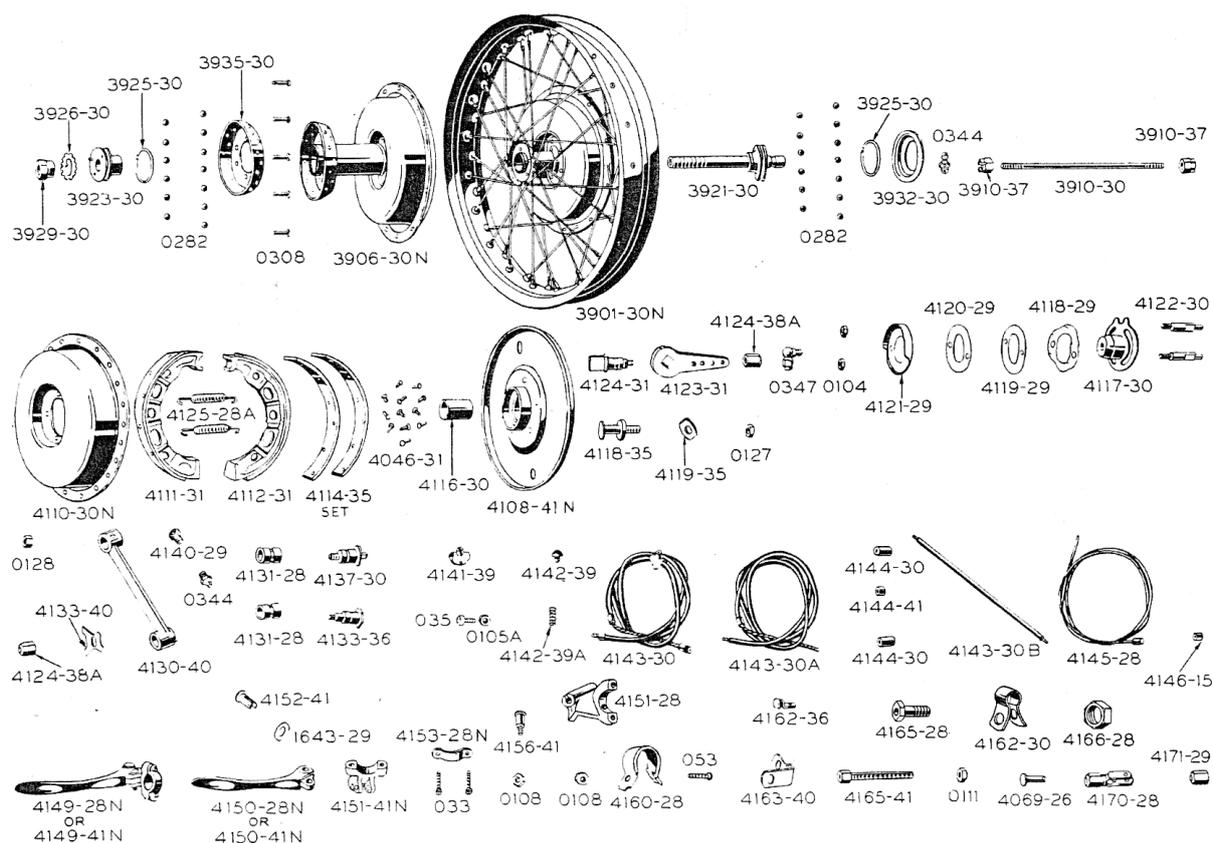


Figure 30 Front wheels & parts

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
3901-30N	Wheel and brake shell, front	1	1	1
3906-30N	Hub and brake shell, front	1	1	1
3909-30N	Shell, front hub	1	1	1
◆ 0344	Fitting, grease	1	1	1
◆ 3910-30	Axle, front	1	1	1
◆ 3910-37	Nut, front axle	2	2	2
◆ 3921-30	Sleeve, front axle	1	1	1
◆ 3923-30	Cone, front hub	1	1	1
◆ 3925-30	Ring, spring, for cone	2	2	2
◆ 0282	Ball, front hub, 5/16", steel	26	26	26
◆ 3926-30	Washer, cone lock	1	1	1
◆ 3929-30	Nut, cone lock	1	1	1
◆ 3932-30	Guard, left inner dirt	1	1	1
◆ 3935-30	Flange, for spokes, right	1	1	1
◆ 0308	Rivet, brake shell, 3/16" x 1/2", round head	10	10	10

Group 5300: Front brake parts

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
4108-31AN	Cover, brake side	1	0	0
4108-41N	Cover, brake side	0	1	1
4110-30N	Shell, front brake	1	1	1
◆ 4111-31	Shoe, complete brake, upper	2	1	1
◆ 4112-31	Shoe, complete brake, lower	2	1	1

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 4046-31	Rivet, brake lining	26	26	26
◆ 4114-35	Lining, set front brake	1	1	1
◆ 4116-30	Bushing, side cover	1	1	1
◆ 4117-30	Plate, center, stabilizer	1	1	1
◆ 4118-29	Washer, spring, stabilizer	1	1	1
◆ 4119-29	Washer, inner, stabilizer	1	1	1
◆ 4120-29	Washer, outer, stabilizer	1	1	1
◆ 4121-29	Cover, stabilizer	1	1	1
◆ 4122-30	Stud, stabilizer collar	2	2	2
◆ 0104	Nut, stabilizer stud, #10-24 UNF x 1/8", 3/8" AF, hex	2	2	2
◆ 4118-35	Stud, pivot	1	1	1
◆ 4119-35	Plate, pivot stud	1	1	1
◆ 0127	Nut, pivot stud, 3/8"-24 UNF x 21/64", 9/16" AF, hex	1	1	1
◆ 4123-31	Lever, brake operating	1	1	1
◆ 4124-31	Stud, brake operating	1	1	1
◆ 4124-38A	Nipple, stud grease	1	1	1
◆ 4125-28A	Spring, brake shoe	2	2	2

Group 5300: Front brake control parts

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 4130-40	Shackle, front brake	1	1	1
◆ 4131-28	Bushing, brake shackle	2	2	2
◆ 4133-36	Stud, brake shackle	1	1	1
◆ 4133-40	Washer, fork stud lock	1	1	1
◆ 4137-30	Stud, shackle band	1	1	1
◆ 0128	Nut, fork stud, 3/8"-24 UNF x 15/32", 9/16" AF, hex	1	1	1
◆ 0344	Nipple, grease	1	1	1
◆ 4140-29	Extension, nipple	1	1	1
◆ 4141-39	Body, control coil oil cup	1	1	1
◆ 4142-39	Plunger, oil cup	1	1	1
◆ 4142-39A	Spring, oil cup	1	1	1
◆ 035	Screw, oil cup body, #10-32 UNF x 3/8", fillister head	1	1	1
◆ 0105A	Nut, body screw, #10-32 UNF x 1/8", 3/8" AF, hex	1	1	1
◆ 4143-30	Coil, control	1	1	1
◆ 4143-30A	Coil, section, 38-1/4"	1	1	1
◆ 4143-30B	Coil, section, 10"	1	1	1
◆ 4144-30	Ferrule, control coil	2	2	2
◆ 4144-30A	Nut, washer packing	1	0	0
◆ 4144-30B	Washer, felt	1	0	0
◆ 4144-41	Washer, felt	0	1	1
◆ 4145-28	Wire, control	1	1	1
◆ 4146-15	End, control wire	1	1	1
4149-28N	Lever, complete hand	1	0	0
4149-41N	Lever, complete hand	0	1	1
4150-28N	Lever, hand	1	0	0
4150-41N	Lever, hand	0	1	1
◆ 4151-28	Bracket, hand lever	1	0	0
4151-41N	Bracket, hand lever	0	1	1
◆ 4152-41	Bushing, hand lever	0	1	1
4153-28N	Clamp, hand lever bracket	1	1	1
◆ 033	Screw, bracket clamp, #10-24 UNC x 3/4", fillister head	0	2	2
◆ 4154-28	Screw, bracket clamp	1	0	0
◆ 032	Screw, bracket clamp, #10-24 UNC x 5/8", fillister head	1	0	0
◆ 4156-28	Screw, hand lever pivot	1	0	0
◆ 4156-41	Screw, hand lever pivot	0	1	1

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 4157-28	Washer, pivot screw	1	0	0
◆ 4160-28	Clip, handlebar	1	1	1
◆ 053	Bolt, handlebar clip, 1/4"-24 UNF x 3/4", round head	1	1	1
◆ 0108	Nut, clip bolt, 1/4"-24 UNF x 5/32", 7/16" AF, hex	1	1	1
◆ 4162-30	Clip, control coil	1	1	1
◆ 4162-36	Clip, control coil	1	1	1
◆ 4163-40	Clamp, control coil	1	1	1
◆ 4165-28	Sleeve, control coil adjusting	1	0	0
◆ 4165-41	Screw, control coil adjusting	0	1	1
◆ 4166-28	Nut, adjusting sleeve	1	0	0
◆ 0111	Nut, adjusting screw, 5/16"-18 UNC x 1/4", 1/2" AF, hex	0	1	1
◆ 4170-28	Connection, control wire	1	1	1
◆ 4171-29	Nut, connection clamping	1	1	1
◆ 4069-26	Pin, lower connection	1	1	1

Group 5404: Handlebar & controls

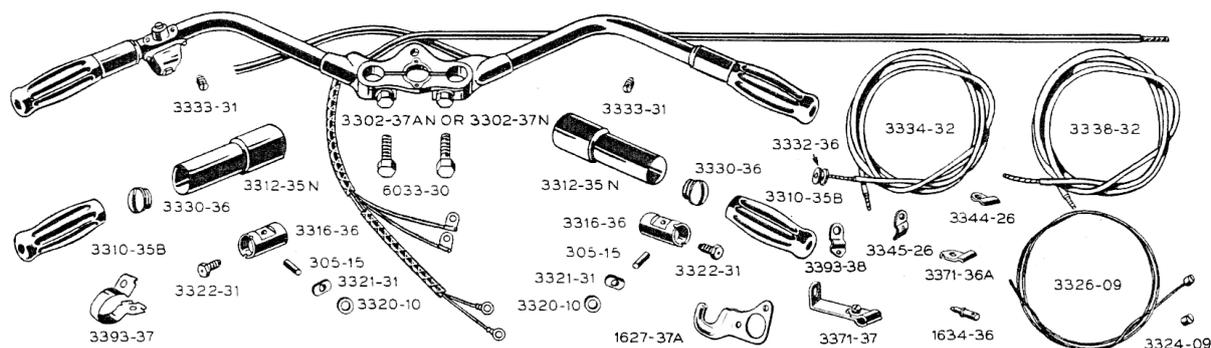


Figure 31 Handlebar & controls

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
3302-37AN	Handlebar, complete (short)	1	1	1
3302-37N	Handlebar, complete (long)	1	1	1
3307-36AN	Handlebar, bare (short)	1	1	1
3307-36N	Handlebar, bare (long)	1	1	1
◆ 6033-30	Bolt, handlebar	2	2	2
◆ 3310-35B	Grip, rubber	2	2	2
3312-35N	Spiral	2	2	2
◆ 3316-36	Plunger	2	2	2
◆ 305-15	Pin, roller	2	2	2
◆ 3320-10	Roller, plain	2	2	2
◆ 3321-31	Block, roller	2	2	2
◆ 3322-31	Screw, wire fastening	2	2	2
◆ 3324-09	End, control wire	2	2	2
◆ 3326-09	Wire, control	2	2	2
◆ 3330-36	Nut, handlebar end	2	2	2
◆ 3332-36	Plug, control coil	2	2	2
◆ 3333-31	Screw, plug set	2	2	2
◆ 3334-32	Coil, control and plug	2	2	2
◆ 3338-32	Coil, control only	2	2	2
◆ 3344-26	Clamp, control coil left	1	1	1
◆ 3345-26	Clamp, control coil right	1	1	0
◆ 035	Screw, control coil clamp, #10-32 UNF x 3/8", fillister head	2	2	2
◆ 3370-36	Connection, carburetor control	1	1	1
◆ 3371-36A	Clamp, carburetor control	1	1	1
◆ 3371-37	Bracket, carburetor control	1	1	1
◆ 1627-37A	Bracket, timer control	1	1	1
◆ 3393-37	Clamp, timer control frame	1	1	1
◆ 3393-38	Clamp, timer control cylinder	1	1	0
◆ 1634-36	Stud, timer control connection	1	1	1

Group 5406: Frame head bearings

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 2752-30	Cup, head bearing	2	2	2
◆ 2753-40	Guard, cone bearing	1	1	1
◆ 2754-40	Cone, upper	1	1	1
◆ 2756-39	Cone, lower	1	1	1
2759-36N	Plate, upper cone locking	1	1	1
2759-40N	Nut, cone clamping	1	1	1
◆ 0282	Ball, head bearing, 5/16" steel	30	30	30

Group 5406: Steering damper and parts

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
2776-40N	Damper, steering complete	1	1	1
2778-36N	Lever, steering damper	1	1	1
◆ 2779-40	Plate, rod and friction	1	1	1
◆ 2781-37	Screw, steering damper	1	1	1
◆ 2782-39	Washer, steering damper rod	1	1	1
◆ 2783-30	Washer, steering damper plain	1	1	1
◆ 2784-30	Washer, adjusting	1	1	1
◆ 6650-18	Washer, spider friction	1	1	1
◆ 2785-30	Nut, adjusting	1	1	1
◆ 0129	Nut, rod, 3/8"-24 UNF x 1/4", 9/16" AF, hex	1	1	1
◆ 2787-30	Spring, release	1	1	1
◆ 2788-30	Washer, release spring	1	1	1
◆ 2790-30	Washer, fiber friction	2	2	2
◆ 2791-30	Disc, steel	1	1	1
◆ 2792-40	Bracket, frame head	1	1	1

Group 5506: Frame & fittings

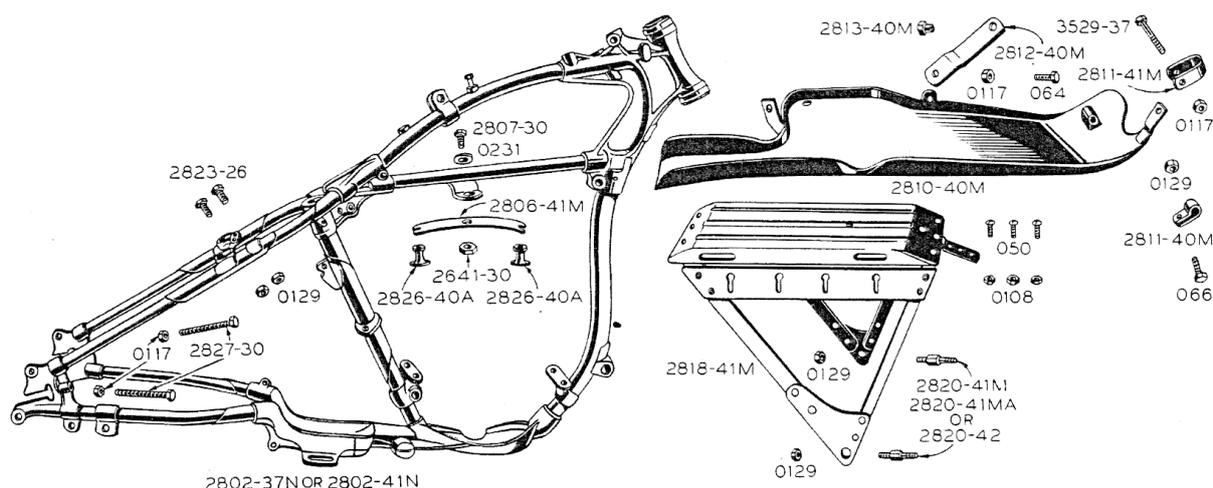


Figure 33 Frame & fittings

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
2802-37N	Frame	1	0	0
2802-41N	Frame	0	1	1
2806-40M	Bracket, cylinder	1	1	1
◆ 2806-40A	Spacer, cylinder bracket	2	2	2
◆ 2807-30	Bolt, cylinder bracket	1	1	1
◆ 2641-30	Nut, bracket bolt	1	1	1
◆ 0231	Washer, cylinder bracket bolt, 7/16" x 1-1/8" x 3/32" plain steel, special	1	1	1
◆ 2823-26	Bolt, rear mudguard brace	2	2	2
◆ 0129	Nut, brace bolt, 3/8"-24 UNF x 1/4", 9/16" AF, hex	2	2	2
◆ 2827-30	Screw, rear axle adjusting	2	2	2
◆ 0117	Nut, axle adjusting screw, 5/16"-24 UNF x 17/64", 1/2" AF, hex	2	2	2
2810-40M	Plate, skid	1	1	1
2811-40M	Clamp, right front	1	1	1
◆ 066	Bolt, clamp, 5/16"-24 UNF x 1/2", hex head	1	1	1
◆ 0129	Nut, clamp bolt, 3/8"-24 UNF x 1/4", 9/16" AF, hex	1	1	1
2811-40MA	Clamp, left front	1	1	0
2811-41M	Clamp, skid plate	0	0	1
◆ 2529-37	Bolt, clamp	0	0	1
◆ 0117	Nut, clamp bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	0	0	1
2812-40M	Bracket, left support	1	1	1
2813-40M	Nut, support bracket	1	1	1
◆ 064	Bolt, skid plate, 5/16"-24 UNF x 3/4", 1/2" AF, hex head	2	2	2
◆ 0117	Nut, skid plate bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	2	2	2
2818-41M	Carrier, luggage	0	1	1
◆ 050	Screw, luggage carrier clamp, 1/4"-24 UNF x 7/16", round head	0	3	3
◆ 0108	Nut, clamp screw, 1/4"-24 UNF x 5/32", 7/16" AF, hex	0	3	3
2820-41M	Stud, luggage carrier, (right)	0	1	0
2820-41MA	Stud, luggage carrier, (left)	0	1	0
◆ 2820-42	Stud, luggage carrier	0	0	2
◆ 0129	Nut, luggage carrier stud, 3/8"-24 UNF x 1/4", 9/16" AF, hex	0	2	4
◆ 0131	Nut, luggage carrier stud, 7/16"-24V UNF x 1/4", 3/4" AF, hex	0	2	0

Group 5701: Mudguard (fender)

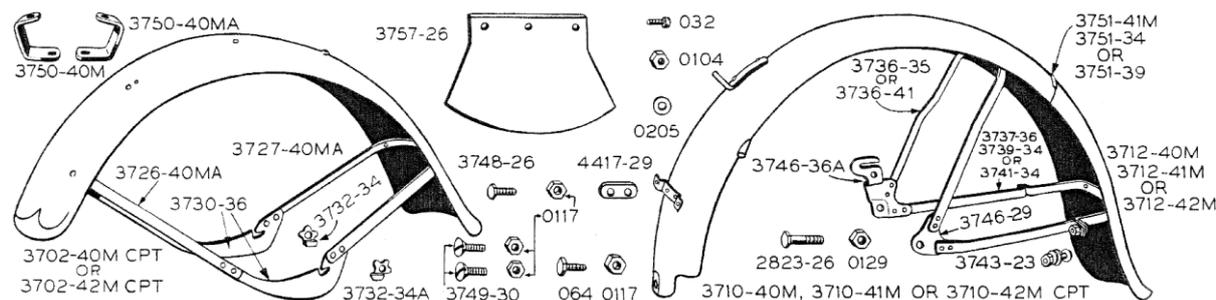


Figure 34 Mudguard (fender)

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
3702-40M	Mudguard, complete front (42WLA to 611203)	1	1	1
3702-42M	Mudguard, complete front (42WLA over 611203)	0	0	1
3710-40M	Mudguard, complete rear	1	0	0
3710-41M	Mudguard, complete rear	0	1	0
3710-42M	Mudguard, complete rear	0	0	1
3712-40M	End, rear mudguard	1	0	0
3712-41M	End, rear mudguard rear	0	1	0
3712-42M	End, rear mudguard rear	0	0	1
3726-40M	Brace, front mudguard front	1	1	1
3727-40M	Brace, front mudguard rear	1	1	1
♦ 3730-36	Clip, mudguard brace	2	2	2
♦ 3732-34	Lock, right brace clip	1	1	1
♦ 3732-34A	Lock, left brace clip	1	1	1
♦ 3736-35	Brace, rear mudguard top	1	0	0
♦ 3736-41	Brace, rear mudguard top	0	1	1
♦ 3739-34	Brace, rear mudguard end	2	0	0
♦ 3737-36	Brace, rear mudguard end	0	2	2
♦ 3741-34	Bracket, rear end brace	1	1	1
♦ 3743-23	Bolt, brace bracket	2	2	2
♦ 0308	Rivet, for braces and clips, 3/16" x 9/16", round head	8	8	8
♦ 0314	Rivet, mudguards to braces, 3/16" x 3/8", truss head	10	10	10
♦ 3746-36A	Clip, right, rear mudguard	1	1	1
♦ 3746-29	Clip, left, rear mudguard	1	1	1
♦ 3748-26	Bolt, rear guard support	2	2	2
♦ 0117	Nut, mudguard support bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	4	4	4
♦ 4417-29	Plate, rear bolt	1	1	1
♦ 3749-30	Bolt, front mudguard head	2	2	2
♦ 0117	Nut, front mudguard head bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	2	2	2
3750-40M	Bracket, front guard right	1	1	0
3750-40MA	Bracket, front guard left	1	1	0
♦ 3751-39	Hinge, rear mudguard	1	0	0
3751-41M	Hinge, rear mudguard	0	1	0
♦ 3751-34	Hinge, rear mudguard	0	0	1
♦ 3752-30	Pin, rear mudguard hinge	1	1	1
♦ 0314	Rivet, rear mudguard hinge, 3/16" x 3/8", truss head	6	6	6
♦ 064	Bolt, rear mudguard lower end, 5/16"-24 UNF x 3/4", 1/2" AF, hex head	2	2	2
♦ 0117	Nut, rear mudguard bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	2	2	2
♦ 2823-26	Bolt, rear mudguard brace	2	2	2
♦ 0129	Nut, rear mudguard brace bolt, 3/8"-24 UNF x 1/4", 9/16" hex	2	2	2
♦ 3757-26	Flap, front mudguard	1	1	1

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 032	Bolt, mudguard flap, #10-24 UNC x 5/8", fillister head	3	3	3
◆ 0104	Nut, mudguard flap, #10-24 UNC x 1/8", 3/8" AF, hex	3	3	3
◆ 0205	Washer, mudguard flap, 7/32" x 1/2" x 1/16", plain steel	3	3	3

Group 5705: Footboard

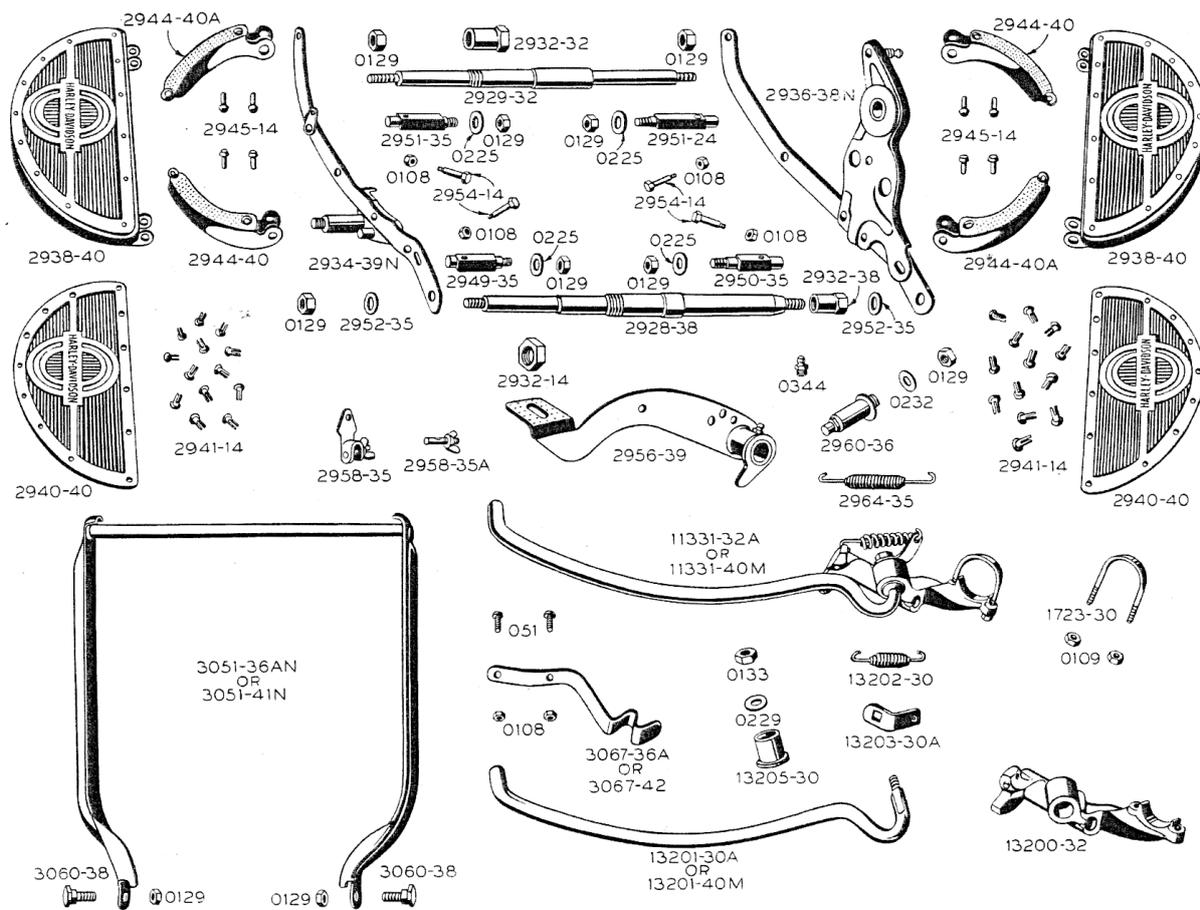


Figure 35 Footboard, rear stand & jiffy stand

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
♦ 2928-38	Rod, front footboard	1	1	1
♦ 2929-32	Rod, rear footboard	0	1	1
♦ 2932-14	Nut, front rod, large	1	1	1
♦ 2932-32	Nut, rear rod	1	1	1
♦ 2932-38	Nut, front rod	1	1	1
♦ 2934-39N	Sidebar, right footboard	1	1	1
♦ 0344	Fitting, grease	1	1	1
♦ 2936-38N	Sidebar, left footboard	1	1	1
♦ 0129	Nut, sidebar clamp, 3/8"-24 UNF x 1/4", 9/16" AF, hex	3	3	3
♦ 0105A	Nut, footlever rod, #10-32 UNF x 1/8", 3/8" AF, hex	1	1	1
♦ 2938-40	Footboard, complete	2	2	2
♦ 2940-40	Pad, footboard	2	2	2
♦ 2941-14	Rivet, footboard pad	26	26	26
♦ 2944-40	Hinge, footboard, right	2	2	2
♦ 2944-40A	Hinge, footboard, left	2	2	2
♦ 2945-14	Rivet, footboard hinge	8	8	8
♦ 2949-35	Stud, footboard, 3-7/32" right	1	1	1
♦ 2950-35	Stud, footboard, 2-5/8" left	1	1	1
♦ 2951-24	Stud, footboard, 2-15/32" left	1	1	1
♦ 2951-35	Stud, footboard, 2-29/32" right	1	1	1
♦ 0225	Washer, footboard stud, 3/8" x 13/16" x 7/64", plain steel, special	4	4	4
♦ 2952-35	Washer, footboard spacing	2	2	2
♦ 0129	Nut, footboard stud, 3/8"-24 UNF x 1/4", 9/16" AF, hex	4	4	4
♦ 2954-14	Bolt, footboard hinge	4	4	4

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 0108	Nut, footboard hinge bolt, 1/4"-24 UNF x 5/32", 7/16" AF, hex	4	4	4
◆ 2956-39	Lever, footbrake	1	1	1
◆ 2958-35	Lock, complete, brake rod	1	1	1
◆ 2958-35A	Stud and nut, rod lock	1	1	1
◆ 2960-36	Stud, brake lever	1	1	1
◆ 0129	Nut, brake lever stud, 3/8"-24 UNF x 1/4", 9/16" AF, hex	1	1	1
◆ 0232	Washer, brake stud, 7/16" x 13/16" x 0.095", plain steel, special	1	1	1
◆ 2964-35	Spring, brake lever	1	1	1

Group 5705: Rear stand

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
3051-36AN	Stand, rear	1	0	0
3051-41N	Stand, rear	0	1	1
◆ 3060-38	Bolt, stand shoulder	2	2	2
◆ 0129	Nut, stand shoulder bolt, 3/8"-24 UNF x 1/4", 9/16" AF, hex	2	2	2
◆ 3067-36A	Catch, stand	1	1	0
3067-42	Catch, stand	0	0	1
◆ 051	Bolt, stand catch, 1/4"-24 UNF x 1/2", round head	2	2	2
◆ 0108	Nut, stand catch bolt, 1/4"-24 UNF x 5/32", 7/16" AF, hex	2	2	2

Group 5705: Jiffy stand and parts

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
11331-40M	Stand, complete jiffy	1	1	0
◆ 11331-32A	Stand, complete jiffy	0	0	1
◆ 13200-32	Bracket, leg	1	1	1
13201-40M	Leg, jiffy stand	1	1	0
◆ 13201-30A	Leg, jiffy stand	0	0	1
◆ 13202-30	Spring, leg	1	1	1
◆ 13203-30A	Plate, spring	1	1	1
◆ 13205-30	Bushing, leg	1	1	1
◆ 0133	Nut, for leg, 7/16"-20 UNF x 3/8", 5/8" AF, hex	1	1	1
◆ 0229	Washer, for leg, 7/16" x .800" x 1/16", plain steel	1	1	1
◆ 1723-30	Bolt, leg	1	1	1
◆ 0109	Nut, U bolt, 1/4"-24 UNF x 7/32", 7/16" AF, hex	2	2	2

Group 5706: Chain guard

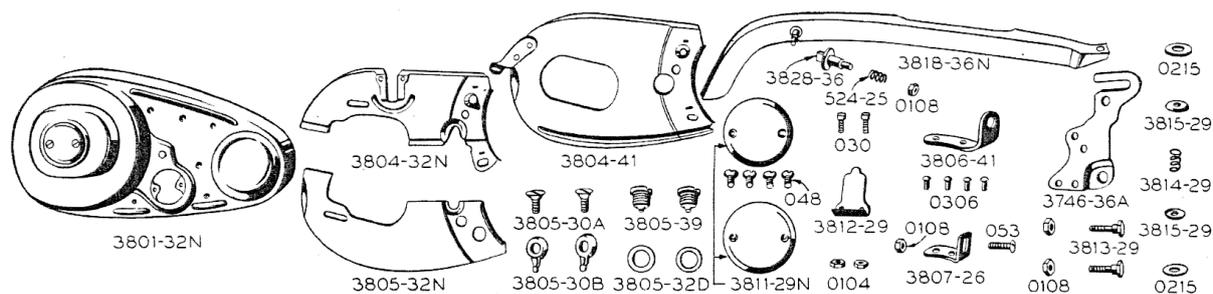


Figure 36 Chain guard

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
3801-32N	Guard, chain outer	1	1	1
3804-32N	Guard, inside, upper half	1	0	0
3805-32N	Guard, inside, lower half	1	0	0
◆ 3804-41	Guard, inside	0	1	1
◆ 3805-30A	Screw, inner guard	2	2	2
◆ 3805-30B	Lock, inner guard screw	2	2	2
◆ 3805-39	Plug, inner guard screw	2	2	2
◆ 3805-32D	Washer, screw plug	2	2	2
◆ 3806-41	Bracket, inner guard rear	0	1	1
◆ 3807-26	Bracket, outer guard rear	1	1	1
◆ 0306	Rivet, for bracket, 3/16" x 5/16", round head	4	4	4
◆ 053	Screw, rear, front chain guard, 1/4"-24 UNF x 3/4", round head	1	1	1
◆ 0108	Nut, for rear screw, 1/4"-24 UNF x 5/32", 7/16" AF, hex	1	1	1
3811-29N	Cover, chain inspection	2	2	2
◆ 048	Screw, guard cover, #12-24 UNC x 3/8", oval countersunk head	4	4	4
◆ 3812-29	Cover, inner guard slot	1	0	0
◆ 030	Screw, slot cover, #10-24 UNC x 3/8", fillister head	2	0	0
◆ 0104	Nut, slot cover screw, #10-24 UNC x 1/8", 3/8" AF, hex	2	0	0
◆ 3813-29	Bolt, inner guard	2	0	0
◆ 0108	Nut, inner guard bolt, 1/4"-24 UNF x 5/32", 7/16" AF, hex	2	0	0
◆ 3814-29	Spring, inner guard bolt	1	1	1
◆ 3815-29	Washer, small spring	2	0	0
◆ 0215	Washer, small spring, 5/16" x 15/16" x 0.0625", plain steel	2	0	0
◆ 3818-36N	Guard, rear chain	1	1	1
◆ 524-25	Spring, rear guard front stud	1	1	1
◆ 0108	Nut, rear guard front stud, 1/4"-24 UNF x 5/32", 7/16" AF, hex	1	1	1
◆ 3746-36A	Bracket, rear chain guard	1	1	1
◆ 3828-36	Stud, rear bracket	1	1	1
◆ 0108	Nut, for bracket, 1/4"-24 UNF x 5/32", 7/16" AF, hex	1	1	1

Group 5800: Batteries, battery cases, relay

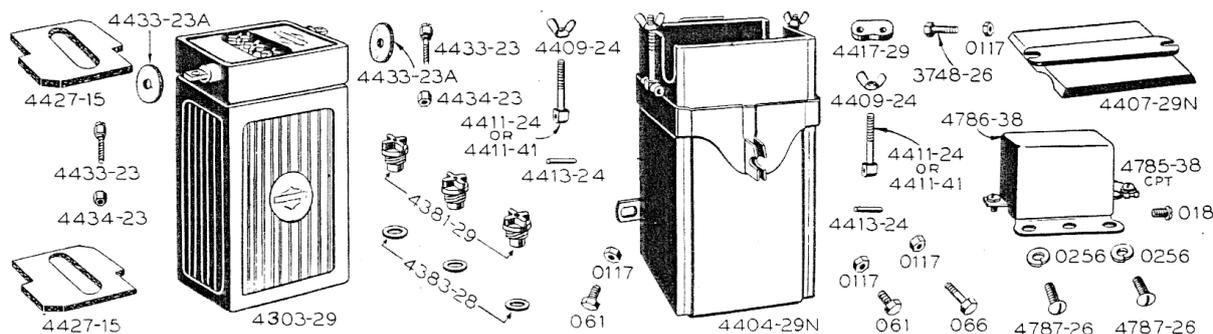


Figure 37 Batteries, battery cases, relay

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 4303-29	Battery, less box	1	1	1
◆ 4381-29	Plug, battery filler	3	3	3
◆ 4383-28	Washer, filler plug	3	3	3
◆ 4404-29N	Box, for battery	1	1	1
◆ 4407-29N	Cover, battery box	1	1	1
◆ 4409-24	Nut, wing, battery cover	2	2	2
◆ 4411-24	Bolt, cover clamp	2	0	0
◆ 4411-41	Bolt, cover clamp	0	2	2
◆ 4413-24	Pin, clamp bolt	2	2	2
◆ 066	Bolt, front, 5/16"-24 UNF x 1", 1/2" AF, hex head	1	1	1
◆ 3748-26	Bolt, rear upper	1	1	1
◆ 061	Bolt, rear lower, 5/16"-24 UNF x 1/2", 1/2" AF, hex head	2	2	2
◆ 0117	Nut, battery bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	4	4	4
◆ 4417-29	Plate, rear bolt	1	1	1
◆ 4427-15	Mat, rubber	2	2	2
◆ 4433-23	Screw, battery terminal	2	2	2
◆ 4433-23A	Felt, battery terminal	2	2	2
◆ 4434-23	Nut, terminal screw	2	2	2
◆ 4785-38	Relay, complete	1	1	1
◆ 4786-38	Cover, for relay	1	1	1
◆ 4787-26	Screw, relay and bracket	2	2	2
◆ 0108	Nut, relay mounting, 1/4"-24 UNF x 5/32", 7/16" AF, hex	2	2	2
◆ 016	Screw, contact blade, #6-32 UNC x 3/8", round head	2	2	2
◆ 020	Screw, terminal wire, #8-32 UNC x 1/4", fillister head	3	3	3

Group 5804: Seat post

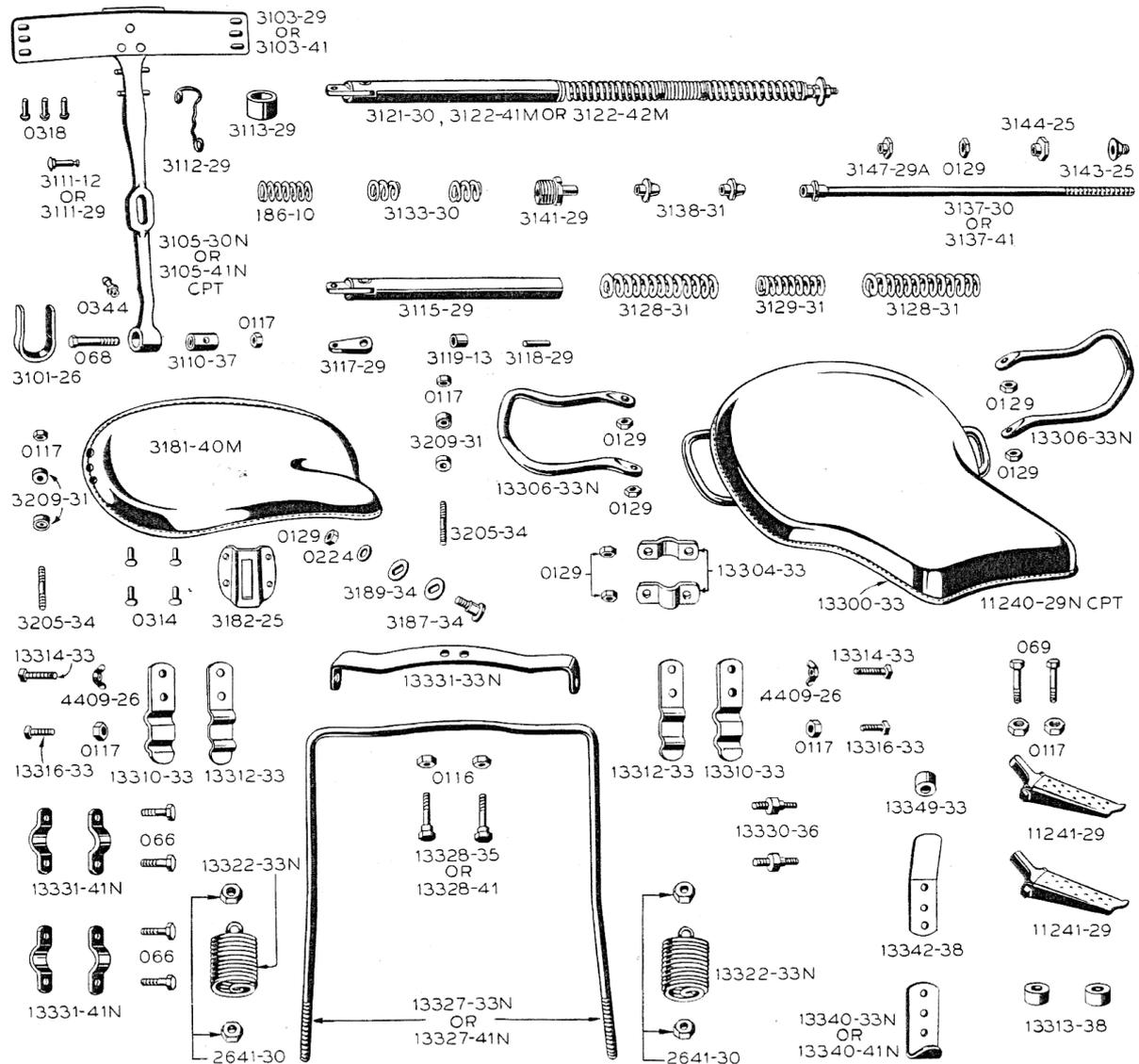


Figure 38 Seat post, saddle & buddy seat

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
♦ 3101-26	Bracket, seat bar	1	1	1
♦ 0344	Fitting, grease	1	1	1
♦ 3103-29N	Plate, seat bar (42WLA to 611203)	1	1	1
3103-41N	Plate, seat bar (42WLA over 611203)	0	0	1
♦ 0318	Rivet, seat bar, 1/4" x 9/16", round head	3	3	3
3105-30N	Bar, seat (42WLA to 611203)	1	1	1
3105-41N	Bar, seat (42WLA over 611203)	0	0	1
♦ 068	Bolt, seat bar, front, 5/16"-24 UNF x 1-13/16", 1/2" AF, hex head	1	1	1
♦ 0117	Nut, seat bar bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	1	1	1
♦ 3110-37	Bushing, seat bar (set)	1	1	1
♦ 3111-29	Pin, seat bar clevis	1	1	0
♦ 3111-12	Pin, seat bar clevis	0	0	1
♦ 3112-29	Spring, clevis pin	1	1	1
♦ 3113-29	Bushing, seat post	1	1	1
♦ 3115-29	Plunger, seat	1	1	1
♦ 3117-29	Link, plunger	1	1	1
♦ 3118-29	Rivet, plunger link	1	1	1
♦ 3119-13	Bushing, plunger link	1	1	1

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 3121-30	Plunger, assembly (150 to 230 lbs.) (42WLA to 611203)	1	1	1
◆ 3123-30	Plunger, assembly (130 to 150 lbs.) (42WLA to 611203)	1	1	1
	3122-41M Plunger, assembly (42WLA to 611203)	0	0	1
	3122-42M Plunger, assembly (42WLA over 611203)	0	0	1
◆ 3128-29	Springs, set lower	1	1	1
◆ 3128-31	Spring, cushion, flat	2	2	2
◆ 3129-31	Spring, cushion	1	1	1
◆ 3133-30	Spring, seat post recoil (42WLA over 611203: 4 pcs)	2	2	2/4
◆ 186-10	Spring, seat post auxiliary (2-3/4") (42WLA to 611203)	1	1	1
◆ 3135-30	Spring, seat post auxiliary (3")	1	1	1
◆ 3137-30	Rod, seat post (42WLA to 611203)	1	1	1
	3137-41M Rod, seat post (42WLA over 611203)	0	0	1
◆ 3138-31	Collar, guide	2	2	2
◆ 3141-29	Nut, plunger lock	1	1	1
◆ 3143-25	Nut, seat post rod	1	1	1
◆ 3144-25	Nut, rod lock	1	1	1
◆ 3147-29A	Nut, spring adjusting	1	1	1
◆ 0129	Nut, adjusting nut lock, 3/8"-24 UNF x 1/4", 9/16 AF, hex	2	2	2
	3181-40M Saddle, solo	1	1	1
◆ 3182-25	Pommel	1	1	1
◆ 0314	Rivet, pommel, 3/16" x 3/8", truss head	4	4	4
◆ 3187-34	Bolt, front saddle	1	1	1
◆ 3189-34	Washer, front bolt, curved	2	2	2
◆ 0129	Nut, front bolt, 3/8"-24 UNF x 1/4", 9/16 AF, hex	1	1	1
◆ 0224	Washer, pommel bolt, 3/8" x 13/16" x 1/16", plain steel	1	1	1
◆ 3205-34	Stud, rear saddle	2	2	2
◆ 0117	Nut, rear stud, 5/16"-24 UNF x 17/64", 1/2" AF, hex	2	2	2
◆ 3209-31	Spacer, rear stud	4	4	4

Group 5804: Buddy seat parts

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
	11240-29N Buddy seat, complete	1	1	0
◆ 13300-33	Top only, buddy seat	1	1	0
◆ 13304-33	Clamp, seat bar	2	2	0
◆ 0129	Nut, front bracket and handles, 3/8"-24 UNF x 1/4", 9/16 AF, hex	6	6	0
	13306-33N Handle	2	2	0
◆ 13310-33	Clip, heavy auxiliary spring	2	2	0
◆ 13312-33	Clip, light auxiliary spring	2	2	0
◆ 13313-38	Spacer, clip bolt	2	2	0
◆ 13314-33	Bolt, clip (1-3/8")	2	2	0
◆ 13316-33	Bolt, clip (7/8")	2	2	0
◆ 0117	Nut, for clip bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	4	4	0
◆ 4409-26	Nut, clip bolt, wing	2	2	0
	13322-33N Spring	2	2	0
	13327-33N Yoke, spring	1	0	0
	13327-41N Yoke, spring	0	1	0
◆ 2641-30	Nut, spring	4	4	0
◆ 13328-35	Bolt, spring	2	0	0
◆ 13328-41	Bolt, spring	0	2	0
◆ 0116	Nut, spring bolt, 5/16"-24V UNF x 17/64", 5/8" AF, hex	2	2	0
◆ 13330-36	Stud, spring	2	2	0
	13331-33N Bracket, auxiliary spring	1	0	0
	13331-41N Clamp, auxiliary spring	0	4	0
◆ 066	Bolt, clamp plate, 5/16"-24 UNF x 1", 1/2" AF, hex head	0	4	0

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 069	Bolt, auxiliary spring bracket, 5/16"-24 UNF x 1-3/8", 9/16" AF, hex head	2	2	0
◆ 0117	Nut, bracket bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	2	2	0
◆ 13337-41	Spacer, spring yoke	0	2	0
◆ 13340-33N	Hook, spring yoke	1	0	0
◆ 13340-41N	Hook, spring yoke	0	1	0
◆ 13342-38	Plate, spring hook	0	1	0
◆ 11241-29	Footrest, complete	2	2	0
◆ 13349-33	Bumper, fender rubber	1	1	0

Group 5806: Tool box

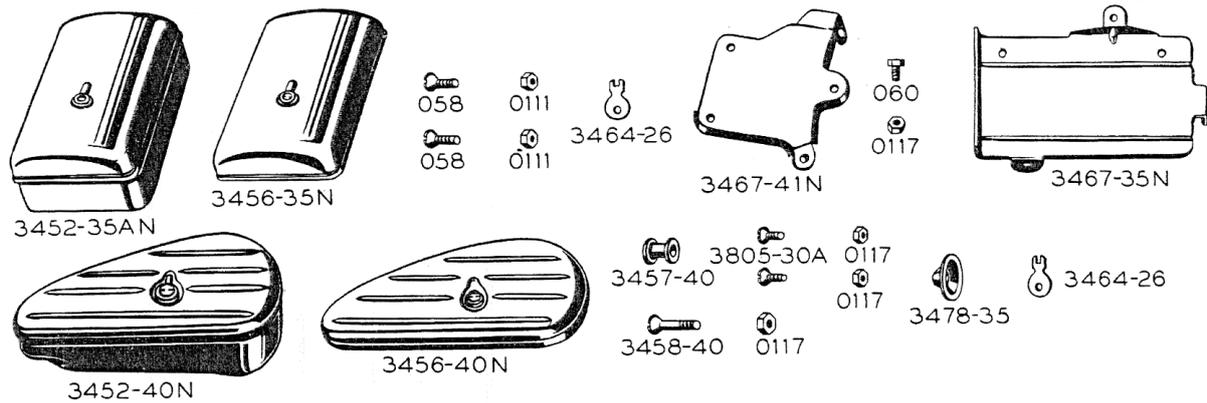


Figure 39 Tool box

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
3452-35AN	Box, tool	1	0	0
3452-40N	Box, tool	0	1	1
3456-35N	Cover, tool box	1	0	0
3456-40N	Cover, tool box	0	1	1
◆ 3457-40	Spacer, tool box mounting	0	1	1
◆ 3458-40	Screw, tool box mounting	0	1	0
◆ 3805-30A	Screw, tool box mounting	0	2	2
◆ 0117	Nut, mounting screw, 5/16"-24 UNF x 17/64", 1/2" AF, hex	0	3	3
◆ 058	Screw, tool box, 5/16"-18 UNC x 13/16", oval counter sunk head	2	0	0
◆ 0111	Nut, tool box screw, 5/16"-18 UNC x 1/4", 1/2" AF, hex	2	0	0
◆ 3464-26	Key, tool box	1	1	1
3467-35N	Bracket, tool box	1	0	0
3467-41N	Bracket, tool box	0	1	1
◆ 060	Bolt, tool box, 5/16"-24" UNF x 9/16", 7/16" AF, hex head	1	0	0
◆ 0117	Nut, tool box bolt, 5/16"-24 UNF x 17/64", 1/2" AF, hex	1	0	0
◆ 3478-35	Washer, tool box screw	2	2	2

Group 6100: Safety guards and fittings

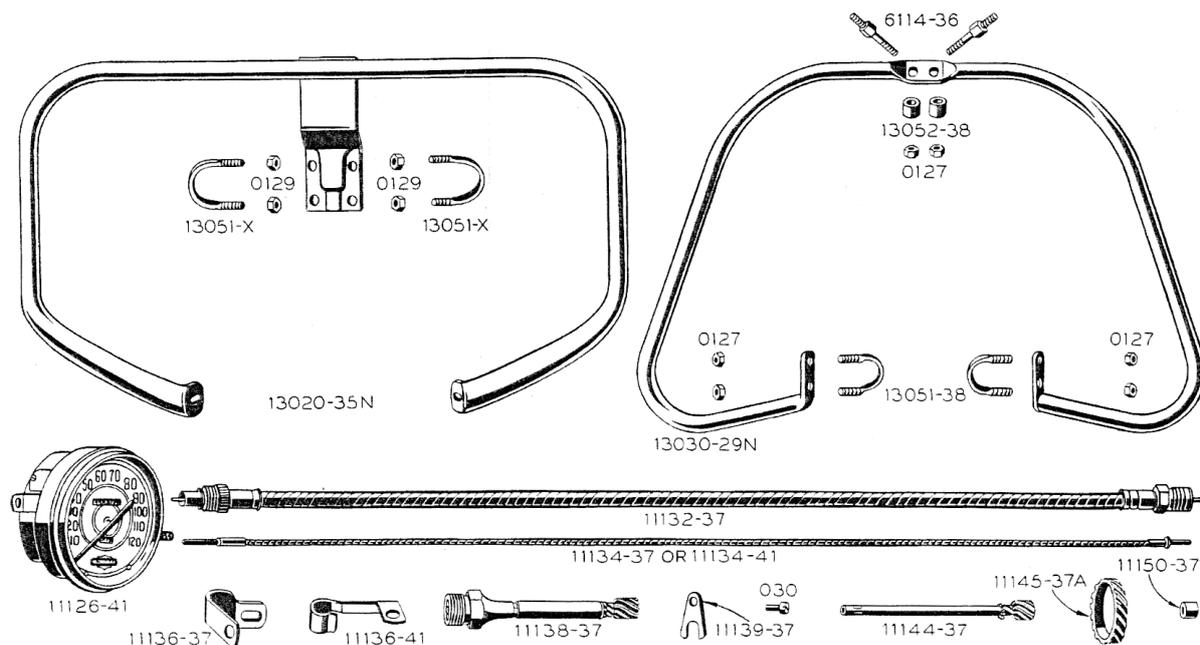


Figure 40 Safety guards & speedometer

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
13020-35N	Guard, front safety	1	1	1
13030-29N	Guard, rear safety	0	1	1
◆ 13051-X	U bolt, front guard	2	2	2
◆ 0129	Nut, U bolt, 3/8"-24 UNF x 1/4", 9/16 AF, hex	4	4	4
◆ 13051-38	U bolt, rear guard	0	2	2
◆ 0127	Nut, U bolt, 3/8"-24 UNF x 21/64", 9/16" AF, hex	4	4	4
◆ 6114-36	Bolt, rear safety guard	0	2	2
◆ 13052-38	Spacer, rear safety guard	0	0	2
◆ 0127	Nut, rear safety guard support, 3/8"-24 UNF x 21/64", 9/16" AF, hex	0	2	2

Group 6203: Speedometer parts

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
11126-41	Head, speedometer	1	1	1
◆ 11132-37	Cable, complete	1	1	1
◆ 11134-37	Cable, only (core)	1	1	0
◆ 11134-41	Cable, only (core)	0	0	1
◆ 11136-37	Clip, cable	1	1	1
◆ 11136-41	Bracket, cable	0	1	1
◆ 11138-37	Unit, drive	1	1	1
◆ 11139-37	Retainer, drive unit	1	1	1
◆ 030	Screw, retainer, #10-24 UNC x 3/8", fillister head	1	1	1
◆ 11144-37	Gear and shaft, drive	1	1	1
◆ 11145-37A	Gear, drive, brake shell	1	1	1
◆ 11150-37	Collar, housing	1	1	1

Group 2306: Special tools

List of special tools necessary for the servicing of U.S. Army model WLA motorcycles.

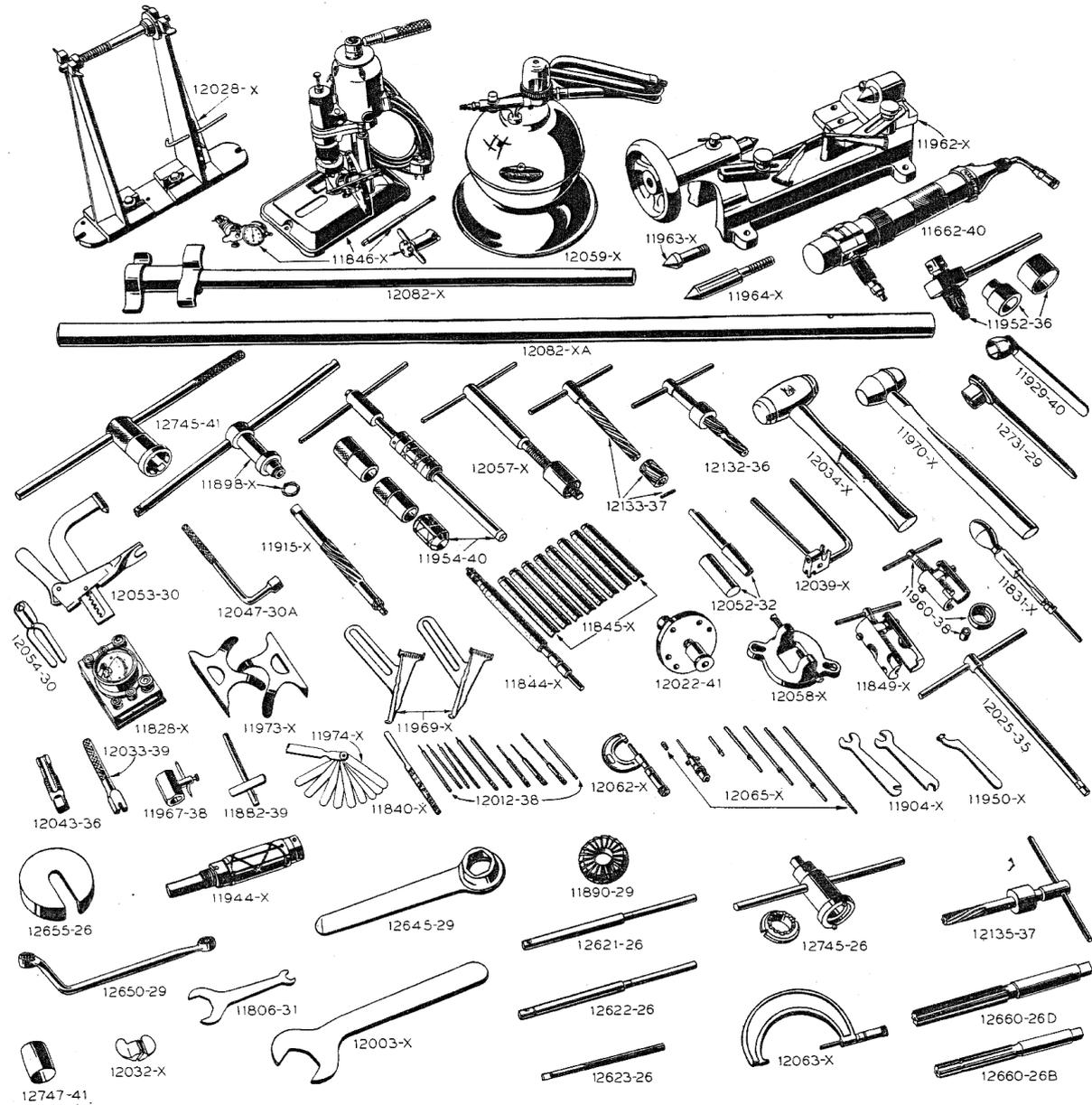


Figure 41 Special tools

Part No.	Name of part	Federal stock #	Manufacturer	Service	
				Base	Field
◆ 11662-40	Gun, air operated grease	40-G-498-25	HDMC	X	
◆ 11806-31	Wrench, valve cover	-	HDMC	X	X
◆ 11828-X	Volt-Ammeter, combination	-	Hoyt electric instrument works	X	
◆ 11831-X	Hydrometer, battery	18-H-1242	Francis L. Freas glass works	X	
◆ 11840-X	File, tungsten point	41-D-1410	W.I.S. T# 405	X	X
◆ 11844-X	Hone, piston pin bushing	41-H-2382	Hall Mfg. Co.	X	
◆ 11845-X	Abrasives, set	41-A-10	Hall Mfg. Co.	X	
◆ 11846-X	Grinder, eccentric valve seat	40-V-530	Hall Mfg. Co.	X	
◆ 11849-X	Puller, gear & bearing	41-P-2903	HDMC	X	
◆ 11882-39	Tool, tail lamp assembly	41-T-3369-20	HDMC	X	X
◆ 11890-29	Cutter, valve seat clearance	41-C-2882-30	Allover Mfg. Co.	X	
◆ 11898-X	Holder, cutter	41-H-2270	HDMC	X	

Part No.	Name of part	Federal stock #	Manufacturer	Service	
				Base	Field
◆ 11904-X	Wrenches, set tappet adjusting	41-W-3573	HDMC	X	X
◆ 11915-X	Reamer, special expansion	-	HDMC	X	X
◆ 11929-40	Wrench, spark plug	41-W-3334	HDMC	X	X
◆ 11944-X	Arbor, connecting rod lapping	41-A-337-10	HDMC	X	
◆ 11950-X	Wrench, lapping arbor	41-W-475	J. H. Williams & Co.	X	
◆ 11952-36	Remover, cam gear bushing	41-R-2372-20	HDMC	X	
◆ 11954-40	Lap, crankcase main bearing	41-L-203	HDMC	X	
◆ 11960-38	Puller, tappet guide	41-P-2956	HDMC	X	
◆ 11962-X	Truing device, flywheel	41-S-4970	HDMC	X	
◆ 11963-X	Center, extra, stationary for 11962-X	41-C-468-60	HDMC	X	
◆ 11964-X	Center, extra, movable for 11962-X	41-C-468-50	HDMC	X	
◆ 11967-38	Gauge, endplay	41-G-198	HDMC	X	
◆ 11969-X	Indicators, extra set for 11962-X	41-I-125	HDMC	X	
◆ 11970-X	Hammer, copper	41-H-265	HDMC	X	
◆ 11973-X	Copper jaws, set, for vise	41-J-325	HDMC	X	
◆ 11974-X	Gauge, thickness	41-G-407	Snap-On Tools Inc. #310	X	X
◆ 12003-X	Wrench, manifold	41-W-1570-10	HDMC	X	X
◆ 12012-38	Tools, set carburetor clean-up	41-T-3081-45	HDMC	X	
◆ 12022-41	Puller, inner clutch disc	41-P-2905-90	HDMC	X	X
◆ 12025-35	Wrench, wheel mounting socket screw	41-W-3832	HDMC	X	X
◆ 12028-X	Stand, wheel truing	41-S-4995	HDMC	X	
◆ 12032-X	Wrench, front wheel spoke nipple	-	HDMC	X	X
◆ 12033-39	Wrench, spoke nipple	41-W-3340	HDMC	X	X
◆ 12034-X	Mallet, rawhide	41-M-486	Chicago Rawhide Mfg. Co.	X	
◆ 12039-X	Tool, chain	41-T-3320	HDMC	X	X
◆ 12043-36	Tap, handlebar end	41-T-1026	HDMC	X	X
◆ 12047-30A	Wrench, head bolt	41-W-1525	HDMC	X	X
◆ 12052-32	Tool, lock ring	41-T-3260	HDMC	X	X
◆ 12053-30	Compressor, valve spring	41-L-1410	HDMC	X	X
◆ 12054-30	Tool, valve key	41-R-2403	HDMC	X	
◆ 12057-X	Tool, piston pin bushing	41-T-3305	HDMC	X	X
◆ 12058-X	Fixture, connecting rod clamping	41-T-3091	HDMC	X	X
◆ 12059-X	Flusher, oil siphon and tank	-	Aro. Equipment Co.	X	
◆ 12062-X	Micrometer, 0 to 1 outside	41-C-225	Any tool distributor	X	
◆ 12063-X	Micrometer, 2 to 3 inside	41-C-223-50	Any tool distributor	X	
◆ 12065-X	Micrometer, 2 to 8 inside	41-C-304	Any tool distributor	X	
◆ 12067-42	Jig, rear sprocket riveting	-	HDMC	X	
◆ 12082-X	Bar, frame and fork straightening	41-T-3205	HDMC	X	
◆ 12082-XA	Handle, straightening bar		HDMC	X	
◆ 12132-36	Reamer, oiler drive and pinion	41-R-2303	HDMC	X	
◆ 12132-42	Reamer, transmission clutch gear	-	HDMC	X	
◆ 12133-37	Reamer, cam gear and timer drive	41-R-2265	HDMC	X	
◆ 12135-37	Reamer, pinion shaft bushing	41-R-2304	HDMC	X	
◆ 12621-26	Pilot, standard size valve guide	41-P-412	HDMC	X	
◆ 12622-26	Pilot, oversize valve guide	41-P-410	HDMC	X	
◆ 12623-26	Reamer, valve guide	41-R-2309-65	HDMC	X	
◆ 12645-29	Wrench, flywheel shaft nut	41-W-1410	HDMC	X	
◆ 12650-29	Wrench, cylinder base nut	41-W-872-10	HDMC	X	X
◆ 12655-26	Plate, piston squaring	41-P-1550-25	HDMC	X	X
◆ 12660-26B	Reamer, clutch gear bushing	41-R-2268	HDMC	X	
◆ 12731-29	Wrench, sprocket nut	-	HDMC	X	X

Part No.	Name of part	Federal stock #	Manufacturer	Service	
				Base	Field
◆ 12745-26	Wrench, clutch	-	HDMC	X	X
◆ 12745-41	Wrench, inner clutch disc nut	-	HDMC	X	X
◆ 12735-42	Puller complete, clutch gear oil seal	-	HDMC	X	
◆ 12747-41	Tool, clutch gear oil seal	41-G-1225	HDMC	X	

Group 2304: Numerical list of screws, bolts, nuts, washers, cotter pins, balls, rivets and grease nipples

These items may be used in many places on the motorcycle. Except when marked "special", these items can be classed as parts common if you have identical sizes in your parts common stock. The sizes must check exactly, however.

Where parts are marked "special" in this list, they are heat treated, ground or otherwise finished so that ordinary parts should not be used to replace them.

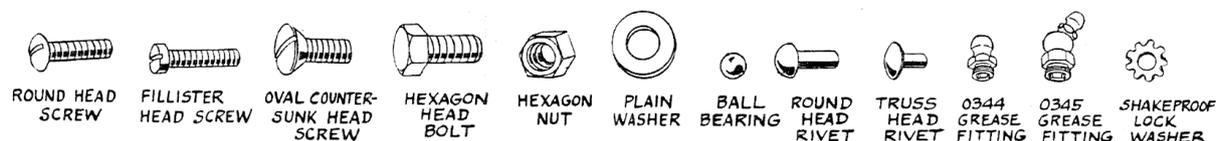


Figure 42 Screws & bolts

Screws and bolts

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 05	Screw, round head, #4-36 UNF x 1/4", brass	1	1	1
◆ 010	Screw, fillister head, #6-32 UNF x 1/4"	14	14	14
◆ 011	Screw, fillister head, #6-32 UNF x 3/8"	1	1	1
◆ 013	Screw, round head, #6-32 UNF x 7/8"	1	1	1
◆ 016	Screw, round head, #6-32 UNF x 3/8"	2	2	2
◆ 018	Screw, round head, #6-32 UNF x 1/4"	4	4	4
◆ 020	Screw, fillister head, #8-32 UNF x 1/4"	13	13	13
◆ 021	Screw, fillister head, #8-32 UNF x 3/8"	4	4	4
◆ 024	Screw, fillister head, #8-32 UNF x 3/4"	1	1	1
◆ 030	Screw, fillister head, #10-24 UNC x 3/8"	7	7	7
◆ 032	Screw, fillister head, #10-24 UNC x 5/8"	24	24	24
◆ 033	Screw, fillister head, #10-24 UNC x 3/4"	0	2	2
◆ 035	Screw, fillister head, #10-32 UNF x 3/8"	17	17	17
◆ 036	Screw, fillister head, #10-32 UNF x 1/2"	6	6	6
◆ 037	Screw, fillister head, #10-32 UNF x 5/8"	5	5	5
◆ 038	Screw, fillister head, #10-32 UNF x 3/4"	1	1	1
◆ 044	Screw, fillister head, #12-24 UNC x 7/8"	2	2	2
◆ 047	Screw, oval countersunk head, #12-24 UNC x 13/16", special	5	5	5
◆ 048	Screw, oval countersunk head, #12-24 UNC x 3/8"	4	4	4
◆ 050	Screw, round head, 1/4"-24 UNF x 7/16"	8	8	8
◆ 051	Screw, round head, 1/4"-24 UNF x 1/2"	7	7	7
◆ 052	Screw, round head, 1/4"-24 UNF x 5/8"	3	3	3
◆ 053	Screw, round head, 1/4"-24 UNF x 3/4"	2	2	2
◆ 056	Screw, oval countersunk head, 1/4"-24 UNF x 1-1/8", special	11	11	11
◆ 057	Screw, oval countersunk head, 1/4"-24 UNF x 13/16", special	8	8	8
◆ 058	Screw, oval countersunk head, 5/16"-18 UNC x 13/16"	3	3	3
◆ 060	Bolt, hexagon head, 5/16"-24V UNF x 9/16", 7/16" AF	1	1	1
◆ 061	Bolt, hexagon head, 5/16"-24 UNF x 1/2", 1/2" AF	6	6	6
◆ 064	Bolt, hexagon head, 5/16"-24 UNF x 3/4", 1/2" AF	9	9	9
◆ 066	Bolt, hexagon head, 5/16"-24 UNF x 1", 1/2" AF	10	10	10
◆ 068	Bolt, hexagon head, 5/16"-24 UNF x 1-13/16", 1/2" AF, special	1	1	1
◆ 069	Bolt, hexagon head, 5/16"-24 UNF x 1-3/8", 9/16" AF, special	2	2	2
◆ 074	Bolt, hexagon head, 3/8"-24 UNF x 3/4", 9/16" AF	1	1	1

Nuts

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 0101	Nut, #6-32 UNC x 7/64", 5/16" AF, hex	9	9	9
◆ 0103	Nut, #8-32 UNC x 1/8", 5/16" AF, hex	6	6	6
◆ 0104	Nut, #10-24 UNC x 1/8", 3/8" AF, hex	20	20	20
◆ 0105	Nut, #10-32 UNF x 1/8", 5/16" AF, hex, brass	17	17	17
◆ 0105A	Nut, #10-32 UNF x 1/8", 3/8" AF, hex	2	2	2
◆ 0107	Nut, 1/4"-20 UNC x 1/4", 1/2" AF, hex	8	8	8
◆ 0108	Nut, 1/4"-24 UNF x 5/32", 7/16" AF, hex	34	34	34
◆ 0109	Nut, 1/4"-24 UNF x 7/32", 7/16" AF, hex, special	6	6	6
◆ 0111	Nut, 5/16"-18 UNC x 1/4", 1/2" AF, hex	5	5	5
◆ 0116	Nut, 5/16"-24V UNF x 17/64", 5/8" AF, hex	2	2	0
◆ 0117	Nut, 5/16"-24 UNF x 17/64", 1/2" AF, hex	62	62	62
◆ 0120A	Nut, 3/8"-16 UNC x 5/16", 9/16" AF, hex	0	0	1
◆ 0123	Nut, 3/8"-24 UNF x 1/2", 9/16" AF, hex	8	8	8
◆ 0127	Nut, 3/8"-24 UNF x 21/64", 9/16" AF, hex	11	11	11
◆ 0128	Nut, 3/8"-24 UNF x 15/32", 9/16" AF, castle nut, special	5	5	5
◆ 0129	Nut, 3/8"-24 UNF x 1/4", 9/16" AF, hex	28	28	28
◆ 0131	Nut, 7/16"-24V UNF x 1/4", 3/4" AF, hex	0	2	2
◆ 0133	Nut, 7/16"-20 UNF x 3/8", 5/8" AF, hex	6	6	6
◆ 0134	Nut, 7/16"-20 UNF x 1/2", 5/8" AF, hex, special	1	1	1
◆ 0140	Nut, 15/32"-24 special hex nut (oil pipe nipple)	1	1	1
◆ 0142	Nut, 5/8"-24 UNF x 7/32", 7/8" AF, hex	1	1	1

Plain washers

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 0201	Washer, plain steel, 3/16" x 7/16" x 1/32"	11	11	11
◆ 0205	Washer, plain steel, 7/32" x 1/2" x 1/16"	3	3	3
◆ 0207	Washer, plain steel, 1/4" x 7/16" x 0.035"	1	1	1
◆ 0207B	Washer, plain steel, 260 x 9/16" x 0.0375"	1	1	1
◆ 0208	Washer, plain steel, 1/4" x 5/8" x 1/16"	1	0	0
◆ 0212	Washer, plain steel, 5/16" x 9/16" x 1/32"	1	1	1
◆ 0214	Washer, plain steel, 5/16" x 5/8" x 1/16"	4	4	4
◆ 0215	Washer, plain steel, 5/16" x 15/16" x 0.0625"	2	2	2
◆ 0224	Washer, plain steel, 3/8" x 13/16" x 1/16"	6	6	6
◆ 0225	Washer, plain steel, 3/8" x 13/16" x 7/64", special	5	5	5
◆ 0229	Washer, plain steel, 7/16" x .800" x 1/16"	1	1	1
◆ 0230	Washer, plain steel, 7/16" x 15/16" x 0.134", special	3	3	3
◆ 0231	Washer, plain steel, 7/16" x 1-1/8" x 3/32", special	5	5	5
◆ 0232	Washer, plain steel, 7/16" x 13/16" x 0.095", special	1	1	1

Lock washers

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 0251	Washer, lock, #6 x 3/64" x 1/32"	1	1	1
◆ 0253	Washer, lock, 3/16" x 3/8" x 3/64"	22	30	30
◆ 0254	Washer, lock, #10 x 21/64" x 3/64"	23	17	17
◆ 0255	Washer, lock, #12 x 23/64" x 3/64"	9	9	9
◆ 0256	Washer, lock, 1/4" x 1/2" x 1/16"	54	54	54
◆ 0259	Washer, lock, 5/16" x 9/16" x 1/16"	61	61	61
◆ 0261	Washer, lock, 3/8" x 5/8" x 1/16"	43	43	43
◆ 0262	Washer, lock, 3/8" x 13/16" x 1/16"	1	1	1
◆ 0265	Washer, lock, 7/16" x 11/16" x 1/16"	10	10	10
◆ 0266	Washer, lock, heavy, 7/16" x 13/16" x 3/32"	4	6	6

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 0268	Washer, lock, 1/2" x 7/8" x 3/32"	2	2	2
◆ 0269	Washer, lock, 9/16" x 15/16" x 3/32"	2	2	2

Steel balls

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 0279	Ball, steel, 3/16"	0	4	4
◆ 0280	Ball, steel, 1/4"	8	14	14
◆ 0282	Ball, steel, 5/16"	56	56	56

Cotter pins

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 0290	Pin cotter, 1/16" x 1/2"	9	6	6
◆ 0291	Pin cotter, 3/32" x 5/8"	18	11	11
◆ 0292	Pin cotter, 3/32" x 1"	2	2	2

Rivets

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 0304	Rivet, tubular (brass), 1/8" x 5/32"	6	6	6
◆ 0306	Rivet, round head, 3/16" x 1/4"	4	4	4
◆ 0308	Rivet, round head, 3/16" x 9/16"	18	18	18
◆ 0310	Rivet, round head, 3/16" x 1"	4	4	4
◆ 0311	Rivet, countersunk head, 3/16" x 7/16"	4	4	4
◆ 0314	Rivet, truss head, 3/16" x 3/8"	36	36	36
◆ 0318	Rivet, round head, 1/4" x 9/16"	3	3	3
◆ 0319	Rivet, round head, 1/4" x 3/4"	3	3	3

Grease fittings

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 0344	Grease fitting, zerk-straight, special	9	9	9
◆ 0345	Grease fitting, zerk-angle, special	1	1	1

Shakeproof lock washers

Part No.	Name of part	Number used on		
		40WLA	41WLA	42WLA
◆ 0352	Washer, lock, internal tooth shakeproof, #8 x 15/32"	1	1	1
◆ 0354	Washer, lock, external tooth shakeproof, #10 x 3/16"	7	7	7
◆ 0356	Washer, lock, internal tooth shakeproof, #10 x 3/16"	9	9	9
◆ 0363	Washer, lock, external tooth shakeproof, #14 x 1/4"	5	5	5
◆ 0365	Washer, lock, countersunk shakeproof, #14 x 1/4"	8	8	8
◆ 0370	Washer, lock, countersunk shakeproof, #18 x 5/16"	1	3	3

Bearing chart

A consolidation of all ball and roller bearings serviced by Harley Davidson for U.S. Army motorcycles, all solo models.

Unit used on	Type	Gov't No.	Part No.	Mfgr. No.	Number used on		
					40WLA	40WLA	40WLA
Connecting rods	Roller	4100	2298-17	-	24	24	24
Connecting rods	Roller	4100	305-29	-	12	12	12
Connecting rods	Roller	4100	309-29	-	1	1	1
Crankcase, right	Roller	4100	417-37	-	1	1	1
Crankcase, right	Roller	4100	305-29	-	1	1	1
Crankcase, left	Roller	4100	304-15	-	24	24	24
Crankcase, left	Roller	4100	419-29	-	1	1	1
Armature, small	Roller	4600	1644-18	T-201, Torrington	1	1	1
Armature, large	Roller	4600	1644-30	T-202, Torrington	1	1	1
Countershaft	Roller	4700	2289-39	-	24	24	24
Mainshafts	Roller	4700	2306-32	-	40	40	40
Left bearing	Roller	4700	2289-36	-	0	40	40
Thrust bearing	Ball	4700	2521-41	-	0	1	1
Countershaft	Roller	4700	2306-32	-	40	40	40
Clutch push rod	Roller	4200	2448-36	-	1	0	0
Clutch left	Roller	4200	2289-36	-	0	40	40
Clutch left	Roller	4200	2306-32	-	40	40	40
Clutch thrust	Ball	4200	2521-33	-	1	0	0
Clutch thrust	Ball	4200	2521-41	-	0	1	1
Clutch, main bearing	Ball	2300	2540-33 (5/32" steel ball)	-	96	0	96
Clutch, hub	Ball	2300	2472-41B (7/32" steel ball)	-	36	60	60
Frame head bearing	Ball	2300	0282 (5/16" steel ball)	-	30	30	30
Handlebars	Roller	5400	3320-10	-	2	2	2
Front wheels	Ball	2300	0282 (5/16" steel ball)	-	26	26	26
Rear wheels, large	Roller	5300	0289-25	-	14	14	14
Rear wheels, small	Roller	5300	0289-25	-	12	12	12