

Section

1/3/4

*KEY TO SYMBOLS*

P34

BIG TWELVE - Y.  
LIGHT TWELVE YL.

P36

BIG TWENTY - Z.  
LIGHT TWENTY ZL.

ILLUSTRATED  
SPARE PARTS CATALOGUE  
FOR THE  
FOUR and SIX CYLINDER  
MODELS

TYPES P34 and P36  
CHASSIS PARTS

*Key to Symbols.*— P34

BIG TWELVE - - Y.  
LIGHT TWELVE - - YL.

P36

BIG TWENTY - - Z.  
LIGHT TWENTY - - ZL.

*For Index see Page 95.*

INTRODUCTION

The object of this list is to acquaint all " Citroën " owners and agents with the principal component parts for the Four and Six Cylinder Citroën Models. Types P34 and P36.

Every care has been taken to make this Spare Parts Catalogue as accurate as possible, but in view of the fact that the Specifications of Citroën Chassis and Cars are subject to revision without notice from time to time as the manufacturers may find necessary or desirable, it is imperative in all cases when ordering spares to *QUOTE CHASSIS NUMBER AND HORSE-POWER* of the Car for which replacement parts are required.

PRICES. The prices in the separate list are subject to alteration at any time without notice.

TERMS. Nett Cash. Delivery at London Works. Packing extra.

## CONSIGNMENTS

All parts are forwarded at Consignee's risk, and we recommend our customers to examine packages carefully upon arrival in order to justify claims in case of shortages or damage.

All claims should be lodged with Carriers.

Unless otherwise instructed, all parts are sent by passenger train, post or Carter Paterson & Co.

Empty packing cases *NOT* returnable.

*Note.*—In cases where credit has not been opened, it is advisable to forward a covering remittance. Failing receipt of the latter, goods will be sent by either C.O.D. post or C.O.D. rail.

## PARTS RETURNED FOR EXAMINATION UNDER GUARANTEE

In accordance with the terms of our guarantee, all parts alleged to be defective must be returned to us for our inspection, Carriage paid, AND THE CHASSIS NUMBER STATED.

In the event of any spare part being urgently required prior to the arrival at our Works of the alleged faulty part, the new part will be charged for. After examination in our Technical Department, the price of the part invoiced will be refunded if the claim is allowed. The cost of carriage, will, however, remain on charge to claimant.

## ORDERS

For every Order it is essential to quote :—

- 1.—Chassis number and type.
- 2.—Part number and name of part.
3. Exact address, route by which goods are to be sent and name of nearest station.

Every telegraphed order should be confirmed by letter, care being taken to specify that it is a CONFIRMATION and not a fresh order, otherwise it may be duplicated.

CITROËN CARS LTD.,  
CITROËN BUILDING, BROOK GREEN,  
HAMMERSMITH, LONDON, W.6.

Telephones :  
RIVERSIDE 2220-6.

Telegrams :  
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## ENGINE

## CYLINDER BLOCK AND CRANKCASE

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>CYLINDER BLOCK AND CRANKCASE</b>		
386	Set screw, 8 m/m × 25 m/m, fixing front engine under-tray, R.H., also fixing timing case cover .....	Y. YL. Z. ZL.
830	C and A washer, 31.5 m/m, for oil drain plug (crank case) .....	Y. YL. Z. ZL.
1015	Washer, 10.5, for nuts fixing valve cover plates (1st type), for stud fixing water outlet manifold on cylinder head .....	Y. YL.
1034	Lock-washer, rectangular, 8 m/m .2, for bolt fixing oil filler pipe .....	Y. YL. Z. ZL.
1332	Nut, 12 m/m × 1.75 pitch, fixing starter .....	Y. YL. Z. ZL.
1505	Nut fixing ignition coil to cylinder head, assembling flywheel sump, and fixing timing case cover .....	Z. ZL.
1747	Set screw, 8 m/m × 60 m/m, fixing timing case cover .....	Y. YL. Z. ZL.
2158	C and A washer, 18.5 m/m, for sparking plug, also for steel plug on cylinder block .....	Y. YL. Z. ZL.
2183	Set screw, 8 m/m × 20 m/m, fixing crankcase base chamber (sump) .....	Y. YL. Z. ZL.
4888/01	"Champion" sparking plug No. 7 .....	Y. YL. Z. ZL.
18025	Set screw, 8 m/m × 15 m/m, fixing crankcase base chamber (sump), core plate at rear of cylinder block, plate covering hole for petrol pump control .....	Y. YL. Z. ZL.
30853	Lock-washer, rectangular, 12.5 m/m, fixing starter .....	Y. YL. Z. ZL.
88153	Nut, 12 m/m × 1.5 pitch, for stud fixing centre main bearing cap .....	Y. YL. Z. ZL.
88154	Nut, 14 m/m × 1.5 pitch, for stud fixing front, centre and rear main bearing cap .....	Y. YL. Z. ZL.
88155	Nut, domed, 10 m/m × 1.5 pitch, fixing valve cover plates (1st type), also outlet water manifold to cylinder head, and manifolds to cylinder block .....	Y. YL. Z. ZL.
88159	Nut, domed, 12 m/m × 1.5 pitch, for stud fixing cylinder head .....	Y. YL. Z. ZL.
88353	Stud, 8 m/m × 37 m/m, fixing carburettor .....	Y. YL.
88357	Stud, 8 m/m × 55 m/m, fixing coil to cylinder head .....	Z. ZL.
88378	Stud, 10 m/m × 30 m/m, fixing carburettor .....	Z. ZL.
88380	Stud, 10 m/m × 36 m/m, fixing exhaust pipe .....	Y. YL. Z. ZL.
88383	Stud, 10 m/m × 44 m/m, fixing water outlet manifold on cylinder head .....	Y. YL. Z. ZL.
88401	Stud, 12 m/m × 118, fixing cylinder head and water outlet manifold .....	Z. ZL.

## ENGINE

## CYLINDER BLOCK AND CRANKCASE

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
88404	Stud, 12 m/m $\times$ 95 m/m, fixing cylinder head.....	Y. YL.
88411	Stud, 12 m/m $\times$ 42 m/m, fixing starter .....	Y. YL. Z. ZL.
88415	Stud, 12 m/m $\times$ 108 m/m, fixing cylinder head and water outlet manifold .....	Y. YL. Z. ZL.
88434	Stud, 10 m/m $\times$ 120 m/m, fixing valve cover plate..	Y. YL. Z. ZL.
88442	Stud, 12 m/m $\times$ 95 m/m, fixing distributor main bearing cap .....	Y. YL. Z. ZL.
88443	Stud, 14 m/m $\times$ 100 m/m, fixing distributor main bearing cap .....	Y. YL. Z. ZL.
88460	Stud, 14 m/m $\times$ 90 m/m, fixing front and rear main bearing cap .....	Y. YL. Z. ZL.
88478	Stud, 10 m/m $\times$ 57 m/m, fixing inlet and exhaust manifolds .....	Z. ZL.
88479	Stud, 10 m/m $\times$ 113 m/m, fixing inlet and exhaust manifolds .....	Z. ZL.
88480	Stud, 10 m/m $\times$ 130 m/m, fixing exhaust and inlet manifolds .....	Y. YL.
88481	Stud, 10 m/m $\times$ 38 m/m, fixing exhaust and inlet manifolds .....	Y. YL.
88523	Locking ring for flywheel casing aligning pin.....	Y. YL. Z. ZL.
88553	Fibre washers, 15.5 m/m, for nuts locking valve cover plates (2nd type) .....	Y. YL. Z. ZL.
88601	Expanding washer for core hole in cylinder head, diameter 24 m/m .....	Y. YL.
88604	Expanding washer for core hole on cylinder block, manifold side and valve side .....	Y. YL. Z. ZL.
88657	Double lock-washer, 8.5 m/m, for set screws fixing engine under-tray (left side) .....	Y. YL. Z. ZL.
88672	Lock-washer, 8.5 m/m, for set screws fixing timing case cover .....	Y. YL. Z. ZL.
88688	Double lock-washer, 13 m/m, distance between centres of holes 84 m/m, for bolts fixing upper flywheel casing .....	Y. YL. Z. ZL.
88789	Lock-washer, triangular, for nuts fixing exhaust pipe .....	Y. YL.
88824	Washer, 10.2 m/m, for nuts fixing valve cover plate .....	Y. YL.
88825	Washer, 32 m/m, for cap of oil pressure release valve .....	Y. YL. Z. ZL.
88927	Aligning pins for flywheel casing .....	Y. YL. Z. ZL.
88933	Steel plug, 18 m/m $\times$ 1.5 pitch, on cylinder block..	Y. YL. Z. ZL.
89170	Set screw, 12 m/m $\times$ 35 m/m, fixing flywheel casing .....	Y. YL. Z. ZL.
89272	Set screw, 8 m/m $\times$ 25 m/m, assembling exhaust and inlet manifolds .....	Y. YL. Z. ZL.
89841	Lock-washer, 14.5 m/m, for nut fixing front, centre and rear crankshaft main bearing caps..	Y. YL. Z. ZL.
112054	Washer (8 m/m) for set screws fixing rear core plate on cylinder block .....	Y. YL.

## ENGINE

## CYLINDER BLOCK AND CRANKCASE

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
113007	Nut (brass) 10 m/m $\times$ 1.5 pitch, fixing exhaust pipe to manifold .....	Y. YL. Z. ZL.
116337	Expanding washer, for core hole in cylinder head, diameter 32 m/m .....	Y. YL. Z. ZL.
117290	Drain plug (for water jacket) 12 m/m $\times$ 1.75 pitch..	Y. YL. Z. ZL.
117291	C and A washer for No. 17290 drain plug .....	Y. YL. Z. ZL.
118065	Brass washer, 10.5 m/m, fixing water outlet manifold on cylinder head .....	Z. ZL.
302588	Gasket for exhaust pipe .....	Y. YL.
302726	Gasket for exhaust pipe .....	Z. ZL.
302789	Lock-washer, triangular, for nuts fixing exhaust pipe .....	Z. ZL.
450010	Lock-washer, double, with 13 m/m holes, distance between holes 100.5 m/m, for set screws fixing lower flywheel casing .....	Y. YL. Z. ZL.
450016	Oil drain plug, 31 m/m $\times$ 1.5 pitch .....	Y. YL. Z. ZL.
450023	Gasket, paper for timing case cover .....	Y. YL. Z. ZL.
450050	Gasket, between carburettor and inlet manifold....	Y. YL.
450075	Lock-washer, rectangular, 9 m/m, for set screw fixing flywheel and clutch casing.....	Y. YL.
450087	Valve guide .....	Y. YL. Z. ZL.
450088	Washer, expanding (diameter 48 m/m) filling aperture in cylinder block for camshaft rear bearing end .....	Y. YL. Z. ZL.
450091	Gasket for cylinder head .....	Y. YL.
450127	Gasket (cork) for side of rear main bearing oil retainer cap .....	Y. YL. Z. ZL.
450128	Set screw, 8 m/m $\times$ 68 m/m, fixing rear main bearing oil retainer caps .....	Y. YL. Z. ZL.
450131	Set screw, 8 m/m $\times$ 21 m/m, locking oil filler tube..	Y. YL. Z. ZL.
450136	Lubricator (sprayer) for timing gear wheels .....	Y. YL. Z. ZL.
450140	Lock-washer (rectangular) 8.5 m/m, for set screws fixing engine front under-tray (right side).....	Y. YL. Z. ZL.
450141	Set screw, 8 m/m $\times$ 17 m/m, fixing engine front under-tray, camshaft side .....	Y. YL. Z. ZL.
450142	Lock-washer, double, 13 m/m, for nuts of studs fixing centre main bearing cap .....	Y. YL. Z. ZL.
450188	Plate covering petrol pump fitting driving hole.....	Y. YL. Z. ZL.
450206	Locking ring for valve cover plate fixing knob (2nd type) .....	Y. YL.
450219	Gasket, paper, for plate covering petrol pump fitting driving hole .....	Y. YL. Z. ZL.
450239	Gasket, paper, between cylinder block and flywheel casing .....	Y. YL. Z. ZL.
450251	Clamp fixing exhaust and inlet manifolds to cylinder block .....	Y. YL. Z. ZL.
450289	Gasket, between carburettor and inlet pipe .....	Z. ZL.
450291	Oil baffle, upper half, for rear main bearing.....	Y. YL. Z. ZL.
450292	Oil baffle, lower half, for rear main bearing.....	Y. YL. Z. ZL.

## ENGINE

## CYLINDER BLOCK AND CRANKCASE

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
450433	Gasket, cork, between cylinder block and base chamber .....	Y. YL.
450434	Gasket, cork, between cylinder block and base chamber .....	Z. ZL.
450451	Collar for timing case cover .....	Y. YL. Z. ZL.
450476	Distance washer for coil, rear right-hand .....	Y. YL. Z. ZL.
450477	Distance washer for coil, front left-hand .....	Y. YL. Z. ZL.
450555	Oil shield for rear end of crankcase base chamber .....	Y. YL. Z. ZL.
450563	Valve cover plate .....	Y. YL.
450564	Gasket, cork, for valve cover plate .....	Y. YL.
450566	Valve cover plate .....	Z. ZL.
450567	Gasket, cork, for valve cover plate .....	Z. ZL.
450766	Oil shield for front end of crankcase base chamber..	Y. YL.
450785	Core plate for rear of cylinder block .....	Y. YL. Z. ZL.
450786	Gasket for core plate at rear of cylinder block.....	Y. YL. Z. ZL.
450787	Oil gauge (dipper) .....	Y. YL. Z. ZL.
450792	Oil filter, cylindrical, complete, fitting in oil filler pipe (1st type) length $\frac{3}{4}$ in.....	Y. YL. Z. ZL.
450796	Aligning bush (ring) for cylinder head, diameter 32 m/m .....	Y. YL. Z. ZL.
450810	Gasket, C and A, between cylinder block and manifold, central .....	Z. ZL.
450811	Gasket, C and A, between cylinder block and manifold outer .....	Z. ZL.
450818	Gasket, paper, for front end plate of engine.....	Y. YL. Z. ZL.
450823	Oil shield for front end of crankcase base chamber..	Z. ZL.
450869	Cylinder head with studs .....	Y. YL.
450870	Cylinder head with studs .....	Z. ZL.
450871	Front suspension plate of engine with socket for dynamo bracket .....	Y. YL. Z. ZL.
450875	Crankcase base chamber complete .....	Y. YL.
450876	Timing case cover .....	Y. YL. Z. ZL.
450877	Cap for oil filler pipe .....	Y. YL. Z. ZL.
450890	Engine complete with distributor, fan and clutch, but without coil, carburettor and dynamo.....	Y. YL.
450891	Engine complete with distributor, fan and clutch, but without coil, carburettor and dynamo.....	Z. ZL.
450900	Washer (brass) for nuts fixing cylinder head.....	Y. YL. Z. ZL.
450901	Gasket (C and A) for cylinder head .....	Y. YL.
450903	Gasket (C and A) for cylinder head .....	Z. ZL.
450903/01	Gasket for cylinder head with enclosed edges .....	Z. ZL.
450905	Inlet manifold. L.H.D. .....	Y. YL.
450906	Inlet manifold. L.H.D. .....	Z. ZL.
450908	Exhaust manifold .....	Y. YL.
450909	Exhaust manifold .....	Z. ZL.
450912	Gasket (Ferodo) between exhaust and inlet manifolds .....	Y. YL.
450914	Gasket (Ferodo) between exhaust and inlet manifolds .....	Z. ZL.

## ENGINE

## CYLINDER BLOCK AND CRANKCASE

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
450915	Gasket (C and A) between cylinder block and manifolds .....	Y. YL.
450917	Knob for valve cover plate (2nd type) .....	Y. YL. Z. ZL.
450920	Plug for hole for timing checking rod on cylinder head.....	Z. ZL.
450924	Inlet and exhaust manifold assembly .....	Z. ZL.
450942	Crankcase base chamber complete .....	Z. ZL.
450943	Cylinder block, fitted with studs. Bore 75 m/m....	Y. YL.
450945	Cylinder block, fitted with studs. Bore 75.5 m/m....	Y. YL.
450947	Cylinder block, fitted with studs. Bore 76 m/m....	Y. YL.
450948	Cylinder block, fitted with studs. Bore 75 m/m....	Z. ZL.
450950	Cylinder block, fitted with studs. Bore 75.5 m/m....	Z. ZL.
450952	Cylinder block, fitted with studs. Bore 76 m/m....	Z. ZL.
450958	Aligning bush (ring) for cylinder head, diameter 32.5 m/m .....	Y. YL. Z. ZL.
460302	Thrust block for camshaft, fitted in timing case cover .....	Y. YL. Z. ZL.
460698	Gasket, paper, for water outlet manifold .....	Y. YL.
460727	Water outlet manifold.....	Z. ZL.
460731	Gasket, paper, for water outlet manifold .....	Z. ZL.
460732	Water outlet manifold.....	Y. YL.
470149	Washer, copper, for oil pressure release valve.....	Y. YL. Z. ZL.
470150	Cap (steel) for spring of oil pressure release valve....	Y. YL. Z. ZL.
470241	Socket (steel) for oil pressure release valve.....	Y. YL. Z. ZL.
470242	Valve for oil pressure release .....	Y. YL. Z. ZL.
470243	Spring for oil pressure release valve .....	Y. YL. Z. ZL.
470244	Cap (aluminium) for oil pressure release valve ....	Y. YL. Z. ZL.
470250	Oil filler pipe, with breather pipe, cap and filter (1st type with cylindrical filter $\frac{3}{4}$ in. long).....	Y. YL. Z. ZL.
470263	Felt washer for oil filler pipe cap .....	Y. YL. Z. ZL.
470274	Oil filter, conical, complete, fitting in oil filler pipe (2nd type) length $2\frac{5}{8}$ in. ....	Y. YL. Z. ZL.
470275	Oil filler pipe, with breather pipe, cap and filter (2nd type with conical filter, length $2\frac{5}{8}$ in.)....	Y. YL. Z. ZL.
490295	Inspection plate on flywheel casing .....	Y. YL. Z. ZL.
490301	Sump for flywheel and clutch casing, front .....	Z. ZL.
490302	Sump for flywheel and clutch casing, rear.....	Z. ZL.
490319	Casing for flywheel and clutch, with aligning pins. (Bell housing).....	Y. YL. Z. ZL.

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>CRANKSHAFT, CONNECTING RODS AND PISTONS</b>		
386	Set screw, 8 m/m × 25 m/m, fixing damper to pulley .....	Z. ZL.
1505	Nut, 8 m/m × 1.25 pitch, for set screws fixing flywheel.....	Y. YL. Z. ZL.
1677	Set screws, 10 m/m × 50 m/m, fixing balance weights to crankshaft .....	Y. YL. Z. ZL.
6303AC	Ball bearing, 17 × 47 × 14, for crankshaft .....	Y. YL. Z. ZL.
33470	Set screw, 6 m/m × 15 m/m, fixing cone for starting handle .....	Y. YL. Z. ZL.
33642	Nut, 9 m/m × 1.25 pitch, for connecting rod bolt..	Y. YL. Z. ZL.
39589	Woodruff key fixing crankshaft pinion and fan pulley .....	Y. YL. Z. ZL.
88667	Lock-washer, double, 8.5, for set screws fixing balance weights .....	Y. YL. Z. ZL.
88773	Lock-washer, 41 m/m, for nut fixing fan pulley....	Y. YL. Z. ZL.
88780	Lock-washer, double, 8.5 m/m, for set screws fixing damper to pulley .....	Z. ZL.
88791	Lock-washer, 9.5 m/m, for connecting rod bolt nut .....	Y. YL. Z. ZL.
89012	Spring for damper.....	Z. ZL.
450063	Pin for starting handle .....	Y. YL. Z. ZL.
450065	Packing washer for front of crankshaft.....	Y. YL. Z. ZL.
450071	Nut, 40 m/m × 1.5 pitch, for fan pulley.....	Y. YL. Z. ZL.
450075	Lock-washer for set screws fixing flywheel.....	Z. ZL.
450116	Dowel pin for front, rear and centre bearings on crankshaft .....	Y. YL. Z. ZL.
450274	Front main bearing .....	Y. YL. Z. ZL.
450276	Centre main bearing .....	Y. YL. Z. ZL.
450279	Rear main bearing .....	Y. YL. Z. ZL.
450604	Front main bearing, replacement size .....	Y. YL. Z. ZL.
450605	Centre main bearing, replacement size.....	Y. YL. Z. ZL.
450606	Rear main bearing, replacement size .....	Y. YL. Z. ZL.
460011	Crankshaft gear, cast.....	Y. YL. Z. ZL.
460101	Thrust washer for front of crankshaft.....	Y. YL. Z. ZL.
460120	Disc for damper .....	Z. ZL.
460127	Flange for damper.....	Z. ZL.
460128	Coupling studs for damper flange .....	Z. ZL.
460153	Set screw, 8 m/m × 1.25 pitch, fixing flywheel.....	Y. YL. Z. ZL.
460254	Felt packing for flywheel .....	Y. YL. Z. ZL.
460255	Locking plate for crankshaft bearing .....	Y. YL. Z. ZL.
460284	Oil baffle for front of crankshaft .....	Y. YL. Z. ZL.
460294	Bush for connecting rod, small end .....	Y. YL. Z. ZL.
460378	Piston ring, 75 m/m × 2.5 m/m .....	Y. YL. Z. ZL.
460411	Bolt for connecting rod big end bearings.....	Y. YL. Z. ZL.
460417	Gudgeon pin .....	Y. YL. Z. ZL.

# ENGINE

# CRANKSHAFT, CONNECTING RODS AND PISTONS

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
460437	Hub for damper .....	Z. ZL.
460438	Interior plate for damper .....	Z. ZL.
460442	Piston ring, 75.5 m/m × 2.5 in/m .....	Y. YL. Z. ZL.
460460	Crankshaft complete .....	Y. YL.
460465	Locking ring for gudgeon pin .....	Y. YL. Z. ZL.
460471	Oil thrower on crankshaft .....	Y. YL. Z. ZL.
460476	Balance weight for crankshaft (cast-iron) .....	Y. YL. Z. ZL.
460480	Piston ring, 76 m/m × 2.5 m/m .....	Y. YL. Z. ZL.
460535	Crankshaft complete .....	Z. ZL.
460607	Balance weight for crankshaft (steel) .....	Y. YL. Z. ZL.
460614	Starter gear ring .....	Y. YL. Z. ZL.
460694	Piston ring (grooved or stepped) 75 m/m × 3 m/m..	Y. YL. Z. ZL.
460725	Pulley for fan .....	Z. ZL.
460726	Pulley for fan .....	Y. YL.
460729	Piston ring, oil scraper, 75 m/m × 4 m/m .....	Y. YL. Z. ZL.
460733	Lock-washer for crankshaft gear .....	Z. ZL.
460762	Piston complete, 75 m/m .....	Y. YL. Z. ZL.
460764	Engine flywheel, fitted with starter gear ring: .....	Y. YL.
460766	Engine flywheel, fitted with starter gear ring .....	Z. ZL.
460768	Cone for positioning starting handle .....	Y. YL. Z. ZL.
460774	Connecting rod complete (bore of bearing 48 m/m) ..	Y. YL. Z. ZL.
460775	Connecting rod complete (bore of bearing 47.5 m/m) .....	Y. YL. Z. ZL.
460776	Connecting rod complete (bore of bearing 47 m/m) ..	Y. YL. Z. ZL.
460777	Piston complete, 75.5 m/m .....	Y. YL. Z. ZL.
460778	Piston complete, 76 m/m .....	Y. YL. Z. ZL.
460779	Piston ring (grooved or stepped) 75.5 m/m × 3 m/m .....	Y. YL. Z. ZL.
460780	Piston ring (grooved or stepped) 76 m/m × 3 m/m ..	Y. YL. Z. ZL.
460781	Piston ring, oil scraper, 75.5 m/m × 4 m/m .....	Y. YL. Z. ZL.
460782	Piston ring, oil scraper, 76 m/m × 4 m/m .....	Y. YL. Z. ZL.
460793	Damper complete, with pulley No. 460725 .....	Z. ZL.
470471	Oil thrower on crankshaft .....	Y. YL.

## ENGINE

CAMSHAFT, VALVES, VALVE TIMING  
GEAR AND IGNITION TIMING GEAR

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>CAMSHAFT, VALVES, VALVE TIMING GEAR AND IGNITION TIMING GEAR</b>		
1020	Nut, 10 m/m × 1.5 pitch, for set screw fixing distributor drive shaft bearing .....	Y. YL. Z. ZL.
1163	Woodruff key for camshaft gear .....	Y. YL. Z. ZL.
2183	Set screw, 8 m/m × 20 m/m, fixing camshaft front bearing .....	Y. YL. Z. ZL.
40138	Lock-washer, double, 8.5 m/m, for set screws fixing camshaft bearing .....	Y. YL. Z. ZL.
88103	Woodruff key for distributor drive shaft pinion....	Y. YL. Z. ZL.
88190	Lock nut, 10 m/m × 1.25 pitch, for valve tappet adjusting screw .....	Y. YL. Z. ZL.
88280	Nut, 24 m/m × 1.5 pitch, fixing camshaft gear .....	Y. YL. Z. ZL.
88750	Lock-washer, 10.5 m/m, for set screw fixing valve tappet guide .....	Y. YL. Z. ZL.
88761	Lock-washer (with tag) 25 m/m, for camshaft gear nut .....	Y. YL. Z. ZL.
89208	Adjusting screw for valve tappets .....	Y. YL. Z. ZL.
117885	Thrust, floating, for camshaft .....	Y. YL. Z. ZL.
450061	Set screw, 10 m/m × 43 m/m, fixing valve tappet guide .....	Y. YL. Z. ZL.
450560	Set screw, 10 m/m × 28.5 m/m, fixing distributor drive shaft bush .....	Y. YL. Z. ZL.
460010	Bearing, front, for camshaft .....	Y. YL. Z. ZL.
460038	Thrust washer for camshaft gear .....	Y. YL. Z. ZL.
460063	Camshaft gear (Celeron).....	Y. YL. Z. ZL.
460338	Spring (inner) for valve, overall length 48 m/m ....	Y. YL. Z. ZL.
460410	Valve tappet .....	Y. YL. Z. ZL.
460421	Spring for camshaft floating thrust .....	Y. YL. Z. ZL.
460427	Cup for valve spring, 18 m/m, for exhaust valve....	Z. ZL.
460475	Cotter (2-piece) for valve stem .....	Y. YL. Z. ZL.
460618	Cup for valve spring, inlet and exhaust (Y. and YL.) and for inlet valve Z. and ZL., 2nd type...	Y. YL. Z. ZL.
460619	Spring, outer, for Y. and YL. inlet and exhaust valves and for 1st type Z. and ZL. inlet and exhaust valves. Overall length 61.5 m/m.....	Y. YL. Z. ZL.
460719	Camshaft .....	Y. YL.
460721	Valve tappet guide .....	Y. YL. Z. ZL.
460722	Exhaust valve (S.C.H.4. or S.I.M.O.) .....	Y. YL. Z. ZL.
460723	Inlet valve (S.C.H.4. or S.I.M.O.) .....	Y. YL. Z. ZL.
460724	Camshaft .....	Z. ZL.
460772	Spring, inner, for inlet and exhaust valve (2nd type, overall length 72 m/m) .....	Z. ZL.
460773	Spring, outer, for inlet valve (2nd type, overall length 54 m/m) .....	Z. ZL.
460786	Spring, inner, for inlet valve (2nd type), overall length 44 m/m.....	Y. YL.

## ENGINE

CAMSHAFT, VALVES, VALVE TIMING  
GEAR AND IGNITION TIMING GEAR  
OIL PUMP AND LUBRICATING SYSTEM

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
477019	Bush (bronze) for distributor drive shaft .....	Y. YL. Z. ZL.
477020	Thrust collar, lower, for distributor drive shaft pinion .....	Y. YL. Z. ZL.
477021	Thrust collar, upper, for distributor drive shaft pinion .....	Y. YL. Z. ZL.
477022	Stop for upper thrust on distributor drive shaft....	Y. YL. Z. ZL.
477023	Pinion for distributor drive shaft .....	Y. YL. Z. ZL.
477025	Distributor drive shaft only (length 14 $\frac{3}{4}$ in., 373 m/m) .....	Y. YL.
477026	Distributor drive shaft only (length 15 $\frac{1}{8}$ in., 383 m/m) .....	Z. ZL.
477031	Distributor drive shaft complete (length 14 $\frac{3}{4}$ in., 373 m/m) .....	Y. YL.
477032	Distributor drive shaft (length 15 $\frac{1}{8}$ in., 383 m/m) complete .....	Z. ZL.
709004	Thrust washer for distributor drive shaft pinion (between the pinion and the bush).....	Y. YL. Z. ZL.
<b>OIL PUMP AND LUBRICATING SYSTEM</b>		
1059	Set screw, 7 m/m $\times$ 30 m/m, fixing oil feed pipe flange.....	Y. YL. Z. ZL.
1099	Fibre washer for oil pressure gauge pipe union screw .....	Y. YL. Z. ZL.
2120	Set screw, 7 m/m $\times$ 15 m/m, fixing oil pump body and base and fixing oil feed pipes to front and rear main bearings.....	Y. YL. Z. ZL.
18025	Set screw, 8 m/m $\times$ 15 m/m, fixing oil feed pipe to distributor bearing .....	Y. YL. Z. ZL.
35236	Woodruff key for oil pump fixed pinion.....	Y. YL. Z. ZL.
88686	Lock-washer, 11 m/m, for screw fixing oil pressure gauge pipe swivel union .....	Y. YL. Z. ZL.
88963	Screw fixing swivel union of oil pressure gauge pipe .....	Y. YL. Z. ZL.
88967	Nipple (oval) for oil pressure gauge pipe rubber connection .....	Y. YL. Z. ZL.
88980	Union fixing oil pressure gauge pipe to gauge.....	Y. YL. Z. ZL.
88981	Nut for union fixing oil pressure gauge pipe to gauge .....	Y. YL. Z. ZL.
89140	Set screw, 10 m/m $\times$ 25 m/m, fixing oil pump to main bearing .....	Y. YL. Z. ZL.
113185	Lock-washer, rectangular, for set screw, 11 m/m, fixing oil pump .....	Y. YL. Z. ZL.
117713	Lock-washer, rectangular, 7.5 m/m, fixing oil pipe to No. 2 main bearing cap .....	Z. ZL.
460009	Lock-washer for set screw fixing oil pipe flange....	Y. YL. Z. ZL.
470089	Rubber connection for oil pressure gauge pipes....	Y. YL. Z. ZL.

## ENGINE

## OIL PUMP AND LUBRICATING SYSTEM

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
470096	Outlet pipe from engine with swivel union, to oil pressure gauge (short).....	Y. YL. Z. ZL.
470136	Idle pinion for oil pump .....	Y. YL. Z. ZL.
470152	Body of oil pump .....	Y. YL. Z. ZL.
470154	Shaft for oil pump .....	Y. YL. Z. ZL.
470155	Pinion, fixed, for oil pump.....	Y. YL. Z. ZL.
470159	Shaft for oil pump idle pinion.....	Y. YL. Z. ZL.
470166	Filter complete for oil pump .....	Y. YL. Z. ZL.
470167	Spring washer fixing filter gauze .....	Y. YL. Z. ZL.
470168	Lock-washer, triple, 8 m/m, for set screws fixing body and base of oil pump .....	Y. YL. Z. ZL.
470177	Base of oil pump with tube .....	Y. YL. Z. ZL.
470178	Case upper of oil filter with tube .....	Y. YL. Z. ZL.
470188	Oil circulation piping assembly (steel) .....	Y. YL.
470189	Oil circulation piping assembly complete .....	Z. ZL.
470190	Oil pump complete .....	Y. YL. Z. ZL.
470208	Aligning collar (ring) for oil pump .....	Y. YL. Z. ZL.
470212	C and A gasket for oil feed pipes to front and rear main bearing .....	Y. YL. Z. ZL.
470213	C and A gasket for oil feed pipe to distributor drive bearing and No. 2 on Z.ZL.....	Y. YL. Z. ZL.
470214	C and A gasket for outlet pipe flange on oil pump....	Y. YL. Z. ZL.
470258	Lock-washer for set screw fixing oil circulation pipes to front and rear main bearings.....	Y. YL. Z. ZL.
470259	Lock-washer for set screw fixing oil circulation pipe to distributor drive bearing .....	Y. YL. Z. ZL.
470264	Oil pressure pipe to gauge, looped, front end.....	Y. YL. Z. ZL.
470266	Oil pressure pipe to gauge with union and nut (long).....	Y. YL. Z. ZL.
470276	Oil pressure pipe complete, between oil pressure gauge and engine .....	Y. YL. Z. ZL.
585570	Clip for rubber tubing connecting oil pressure gauge pipes.....	Y. YL. Z. ZL.
585829	Clip fixing pipe leading to oil pressure gauge.....	Z. ZL.

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>FAN AND WATER-CIRCULATING PUMP</b>		
<i>N.B.</i> —The first type is fitted with a ball bearing, 17 × 48 × 19.		
The second type is fitted with a ball bearing, 17 × 52 × 15.		
385	Set screw, 8 m/m × 30 m/m, fixing body of water pump to cylinder block .....	Y. YL. Z. ZL.
2195	Set screw, 8 m/m × 50 m/m, fixing body of water pump to cylinder block .....	Y. YL. Z. ZL.
12685	Screw, 7 m/m × 12 m/m, fixing back plate to body of water pump .....	Y. YL. Z. ZL.
18025	Set screw fixing fan blades to pulley .....	Y. YL. Z. ZL.
28833	Castellated nut, 12 m/m × 1.75 pitch, fixing fan pulley .....	Y. YL. Z. ZL.
30189	Key fixing pulley .....	Y. YL. Z. ZL.
88100	Ball bearing, deep grooves, 17 × 52 × 15, for water pump shaft (2nd type) .....	Y. YL. Z. ZL.
88531	Split pin (3 m/m × 20 m/m) for nut fixing water pump ball bearing .....	Y. YL. Z. ZL.
88537	Pin fixing water pump impeller .....	Y. YL. Z. ZL.
88558	Washer, 8.5 × 18 m/m, for greaser on water pump body bush (2nd type) .....	Y. YL. Z. ZL.
88982	Tecalemit greaser on water pump body bush (1st type) .....	Y. YL. Z. ZL.
88984	Tecalemit greaser on water pump body bush (2nd type) .....	Y. YL. Z. ZL.
89269	Locking screw for water pump gland nut .....	Y. YL. Z. ZL.
89766	Washer for nut fixing pump pulley .....	Y. YL. Z. ZL.
112054	Washer, 8 m/m × 14 m/m, for Tecalemit greaser on ball bearing (1st and 2nd type) and for greaser on water pump body bush .....	Y. YL. Z. ZL.
114221	Set screw, 8 m/m × 55 m/m, fixing fan blades and distance piece on pulley .....	Y.
117281	Tecalemit greaser, 8 m/m × 1.25 pitch, for pump shaft ball bearing .....	Y. YL. Z. ZL.
450044	Lock-washer, double, for set screws fixing fan blades on pulley .....	Y. YL. Z. ZL.
472150	Fan blades, front and rear, assembled (1st type, length 1 ft. 5 $\frac{3}{8}$ in.) .....	Z.
472153	Rubber joint (spherical, with copper tube) .....	Y. YL. Z. ZL.
472235	Packing for water pump gland (graphited) one piece .....	Y. YL. Z. ZL.
472244	Fan, fitted with 4 blades .....	Y. YL.
472257	Thrust bush for water pump packing (1st type) .....	Y. YL. Z. ZL.
472258	Nut for water pump gland, 31 m/m × 1.5 pitch (1st type) .....	Y. YL. Z. ZL.

## ENGINE

## FAN AND WATER-CIRCULATING PUMP

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
472260	Ball bearing with double row of balls (17×47×19) for water pump shaft (1st type).....	Y. YL. Z. ZL.
472264	Friction washer for water pump impeller.....	Y. YL. Z. ZL.
472268	Gasket for water pump (between back plate and pump) (1st type) .....	Y. YL. Z. ZL.
472269	Gasket for water pump (between back plate and cylinder block) .....	Y. YL. Z. ZL.
472270	Bush for water pump body .....	Y. YL. Z. ZL.
472271	Shaft for water pump (1st type) length 160 m/m, diameter 17 m/m .....	Y. YL. Z. ZL.
472279	Retainer for water pump ball bearing lock ring.....	Y. YL. Z. ZL.
472280	Lock ring for ball bearing on pump shaft.....	Y. YL. Z. ZL.
472281	Impeller (brass) for water pump .....	Y. YL. Z. ZL.
472282	Nut fixing ball bearing in water pump (1st type), 50 m/m × 1.5 pitch .....	Y. YL. ZL.
477283	Pulley for water pump (cast) .....	Y. YL. Z. YL.
472284	Water pump complete, without fan (1st type).....	Y. YL. Z. ZL.
472286	Locking ring for ball bearing in water pump body (1st type) .....	Y. YL. Z. ZL.
472296	Oil baffle for ball bearing in water pump (1st type)..	Y. YL. Z. ZL.
472299	Belt driving fan and dynamo .....	Y. YL. Z. ZL.
472305	Water pump body, bushed (1st type) .....	Y. YL. Z. ZL.
472306	Distance piece for fan blades. Length 60 m/m.....	Y.
472312	Back plate for water pump with deflector welded on (1st type) .....	Y. YL. Z. ZL.
472318	Gasket for body of water pump between plate and water pump .....	Y. YL. Z. ZL.
472319	Shaft for water pump (2nd type) .....	Y. YL. Z. ZL.
472320	Thrust bush for water pump packing (2nd type)....	Y. YL. Z. ZL.
472321	Nut fixing water pump gland (2nd type).....	Y. YL. Z. ZL.
472322	Oil baffle for ball bearing in water pump (2nd type)..	Y. YL. Z. ZL.
472323	Nut fixing ball bearing in water pump (2nd type) 55 m/m × 1.5 pitch .....	Y. YL. Z. ZL.
472324	Water pump complete, without fan (2nd type).....	Y. YL. Z. ZL.
472325	Water pump body, bushed (2nd type) .....	Y. YL. Z. ZL.
472329	Rear fan blade, length 1 ft. 4 $\frac{1}{8}$ in. ....	Z. 2nd type. ZL. 1st and 2nd type.
472330	Front fan blade, length 1 ft. 4 $\frac{1}{8}$ in. ....	Z. 2nd type. ZL. 1st type.
472344	Back plate for water pump, with deflector welded on (2nd type) .....	Y. YL. Z. ZL.

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>ACCELERATOR CONTROLS</b>		
1208	Ball joint for rod and accelerator pedal.....	Y. YL. Z. ZL.
1505	Nut, 8 m/m × 1.25 pitch, for set screw No. 18025 (fixing the accelerator spring clip) (1st type)...	Y. YL. Z. ZL.
1867	Stop (washer) for pedal in bracket (1st type).....	Y. YL. Z. ZL.
18025	Set screw, 8 m/m × 15 m/m, fixing accelerator spring clip (1st type), also fixing accelerator pedal (2nd type) .....	Y. YL. Z. ZL.
18051	Nut, 5 m/m × .75 pitch, for accelerator ball joint (1st type) .....	Y. YL. Z. ZL.
89020	Return spring on accelerator rod .....	Y. YL. Z. ZL.
113044	Ball joint (male) for intermediate lever .....	Y. YL. Z. ZL.
585163	Foot plate for accelerator pedal .....	Y. YL. Z. ZL.
585840	Accelerator control rod, length 9 $\frac{7}{8}$ in. (1st type)....	Y. YL. Z. ZL.
585874	Pivot pin for bell crank (No. 586448).....	Y. YL. Z. ZL.
586276	Bracket (L.H.) for accelerator control spindle (1st type) .....	Y. YL. Z. ZL.
586277	Bracket (R.H.) for accelerator control spindle (1st type) .....	Y. YL. Z. ZL.
586278	Bush for accelerator control spindle brackets.....	Y. YL. Z. ZL.
586279	Stop (collar) for accelerator control spindle (1st type), or for control lever (2nd type).....	Y. YL. Z. ZL.
586283	Rod controlling carburettor (1st type) length 3 $\frac{1}{2}$ in., between bell crank lever and carburettor. Replaces No. 586449 .....	YL. ZL.
586397	Accelerator control rod, length 13 $\frac{3}{8}$ in. (1st type)....	Z. ZL.
586409	Clip for accelerator spring (1st type) .....	Z. ZL.
586411	Rod controlling carburettor (1st type, length 6 $\frac{1}{4}$ in., between bell-crank lever and carburettor)..	Z. ZL.
586448	Bell-crank lever with ball joints (1st type).....	Y. YL. Z. ZL.
586450	Accelerator pedal (1st type, fitting in a bracket) ...	Y. YL. Z. ZL.
586452	Rod controlling carburettor, length 2 $\frac{3}{4}$ in. (1st type) between pedal and spindle. (2nd type) between bell-crank lever and carburettor.....	Y. YL. Z. ZL.
586453	Spindle for accelerator control (1st type) length 12 $\frac{5}{16}$ in., hole for pin (stop) drilled 3 $\frac{1}{16}$ in. from one end .....	Y. Z.
586454	Bracket for accelerator pedal (1st type).....	Y. YL. Z. ZL.
586455	Bush (brass) for accelerator pedal bracket (1st type) .....	Y. YL. Z. ZL.
586471	Spindle for accelerator control (1st type) length 12 $\frac{5}{16}$ in., hole for pin (stop) drilled 2 $\frac{1}{16}$ in. from one end .....	YL. ZL.
586482	Clip for accelerator spring (1st type) .....	Y. YL.
586484	Rod controlling carburettor (1st type) length 5 $\frac{5}{16}$ in., between bell-crank lever and car- burettor.....	Y. YL.
586501	Bell-crank lever with ball joints (1st type) .....	Z. ZL.

## ENGINE

ACCELERATOR CONTROLS  
CARBURETTOR

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
586741	Accelerator pedal (2nd type, bolted to intermediate lever) .....	Y. YL. Z. ZL.
586742	Rubber washer, on accelerator pedal .....	Y. YL. Z. ZL.
586743	Intermediate lever controlling accelerator (2nd type) .....	Y. YL. Z. ZL.
586744	Bracket (bushed) for intermediate lever controlling accelerator pedal (2nd type R. or L. hand).....	Y. YL. Z. ZL.
586748	Rod controlling accelerator (length 7 $\frac{1}{8}$ in., 2nd type) .....	Y. YL.
586750	Bell-crank lever with ball joints (2nd type).....	Y. YL. Z. ZL.
586753	Return spring on bell-crank lever (2nd type).....	Y. YL. Z. ZL.
586754	Accelerator control rod, length 11 $\frac{1}{4}$ in. (2nd type)....	Z. ZL.
<b>CARBURETTOR</b>		
33044	Screw fixing choke tube .....	Y. YL.
89559	Set screw, 6 m/m $\times$ 17 m/m, fixing air filter .....	Z. ZL.
450050	Gasket, fibre, for carburettor flange .....	Y. YL.
450289	Gasket (Vellumoid) for carburettor flange .....	Z. ZL.
489040	Needle valve and seating assembly (2.5) .....	Y. YL. Z. ZL.
489117	Float .....	Y. YL.
489160	Jet (petrol) for "Starter" (please give size required) .....	Y. YL. Z. ZL.
489168	Float .....	Z. ZL.
489244	"Starter" carburettor F.V.S.....	Y. YL.
489259	Air filter for 35 F.V.S. carburettor .....	Z. ZL.
489261	"Starter" carburettor 35 F.V.S. ....	Z.
489263	"Starter" carburettor 35 F.V.S. ....	ZL.
489553	Air inlet pipe with flange .....	Y. YL.
489571	Choke tube (please give size) .....	Z. ZL.
489575	Main jet with collar (please give sizes) .....	Z. ZL.
489578	Pilot jet, round head (please give size) .....	Z. ZL.
789569	Choke tube, height 30 m/m (please give size required) .....	Y. YL.
789573	Main jet with collar (please give size required).....	Y. YL.
789577	Pilot jet with round head (please give size required)..	Y. YL.

# CLUTCH

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>CLUTCH</b>		
1163	Key for socket of clutch withdrawal fork.....	Y. YL. Z. ZL.
1505	Nut, 8 m/m × 1.25 pitch, for set screws assembling flywheel casing sump .....	Y. YL. Z. ZL.
2183	Set screws, 8 m/m × 20 m/m, fixing sump of flywheel casing and bracket for insulator.....	Y. YL. Z. ZL.
18025	Set screw, 8 m/m × 15 m/m, fixing clutch withdrawal fork bearing bracket (support) and for assembling flywheel casing sump .....	Y. YL. Z. ZL.
50867	Set screw, 8 m/m × 10 m/m, fixing clutch casing cover .....	Y. YL. Z. ZL.
88072	Clutch withdrawal thrust race (51.1 × 78 × 18)....	Y. YL. Z. ZL.
88197	Nut, 8 m/m × 1.25, for clutch withdrawal bolts....	Y. YL. Z. ZL.
88747	Lock washer, double, 8.5 m/m, for set screws fixing clutch casing .....	Y. YL. Z. ZL.
89017	Spring for clutch withdrawal thrust housing.....	Y. YL. Z. ZL.
89034	Clutch spring .....	Y. YL. Z. ZL.
89111	Set screw, 8 m/m × 25 m/m, fixing socket on clutch withdrawal fork (R.H.D.) .....	Y. YL. Z. ZL.
89246	Set screw, 8 m/m × 15 m/m, fixing clutch casing.....	Y. YL. Z. ZL.
89418	Bolt, 8 m/m × 54 m/m, for clutch withdrawal.....	Y. YL. Z. ZL.
89618	Rivet for clutch lining (No. 490303).....	Y. YL. Z. ZL.
490063	Eye piece for clutch withdrawal control spring.....	Y. YL. Z. ZL.
490073	Felt packing for lubricating clutch thrust withdrawal housing .....	Y. YL. Z. ZL.
490104	Driving stud for clutch driving plate .....	Y. YL. Z. ZL.
490118	Lock-washers tongued for toggle hinge .....	Y. YL. Z. ZL.
490144	Clutch driving plate .....	Y. YL. Z. ZL.
490146	Cup for clutch spring .....	Y. YL. Z. ZL.
490148	Packing washer for clutch spring .....	Y. YL. Z. ZL.
490156	Clutch complete without clutch disc .....	Y. YL. Z. ZL.
490162	Clutch housing with driving studs .....	Y. YL. Z. ZL.
490191	Toggle for clutch.....	Y. YL. Z. ZL.
490194	Inspection plate on clutch casing .....	Y. YL. Z. ZL.
490241	Bush (brass) for clutch withdrawal fork bracket....	Y. YL. Z. ZL.
490261	Clutch lining for clutch disc No. 490303, flywheel side .....	Y. YL. Z. ZL.
490262	Clutch lining for clutch disc No. 490303, driving plate side .....	Y. YL. Z. ZL.
490271	Spring for clutch toggles .....	Y. YL. Z. ZL.
490295	Cover plate for adjustment hole on flywheel casing..	Y. YL. Z. ZL.
490298	Bracket, bushed, for clutch withdrawal fork.....	Y. YL. Z. ZL.
490299	Clutch withdrawal fork, L.H.D. ....	Y. YL. Z. ZL.
490301	Front half flywheel casing sump with plate welded on .....	Y. YL. Z. ZL.
490302	Rear half flywheel casing sump with plate welded on .....	Y. YL. Z. ZL.

# CLUTCH

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
490303	Clutch disc complete (without flexible centre, 1st type) .....	Y. YL. Z. ZL.
490309	Lining for clutch disc (No. 490311 and No. 490342 discs) .....	Y. YL. Z. ZL.
490313	Rivet for clutch disc lining (No. 490311 and No. 490342 discs) .....	Y. YL. Z. ZL.
490319	Casing for clutch and flywheel with aligning pin....	Y. YL. Z. ZL.
490322	Clutch withdrawal fork, R.H.D. ....	Y. YL. Z. ZL.
490327	Locking ring on clutch withdrawal fork socket. R.H.D. ....	Y. YL. Z. ZL.
490330	Housing for clutch thrust race complete .....	Y. YL. Z. ZL.
490332	Socket for clutch withdrawal fork, R.H.D.....	Y. YL. Z. ZL.
490342	Clutch disc complete (with flexible centre, 2nd type) .....	Y. YL. Z. ZL.

# GEARBOX

# GEARBOX COMPLETE, CASING, COVER, CHANGE SPEED LEVER AND HAND BRAKE LEVER

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>GEARBOX COMPLETE, CASING, COVER, CHANGE SPEED LEVER AND HAND BRAKE LEVER</b>		
386	Set screw, 8 m/m × 25 m/m, fixing front bearing cap .....	Y. YL. Z. ZL.
1505	Nut, 8 m/m × 1.25 pitch, for bolt No. 1741, fixing brake lever ratchet.....	Y. YL. Z. ZL.
1741	Bolt, 8 m/m × 35 m/m, fixing brake lever ratchet..	Y. YL. Z. ZL.
1848	Washer, 10.5 m/m, for brake pawl pivot pin No. 515392 (2nd type) .....	Y. YL. Z. ZL.
2159	C and A washer (25 m/m) for oil filler cap and drain plug .....	Y. YL. Z. ZL.
2183	Set screw, 8 m/m × 20 m/m, fixing gearbox cover..	Y. YL. Z. ZL.
2195	Set screw, 8 m/m × 50 m/m, fixing gearbox cover..	Y. YL. Z. ZL.
2950	Oil filler and drain plug .....	Y. YL. Z. ZL.
18013	Set screw, 6 m/m × 20 m/m, fixing speedometer drive socket .....	Y. YL. Z. ZL.
31102	Castellated nut, 10 m/m × 1.5 pitch, for pivot bolts No. 515352 and No. 515390.....	Y. YL. Z. ZL.
88741	Lock-washer, 12.5 m/m, for set screws fixing gearbox to clutch casing .....	Y. YL. Z. ZL.
89097	Spring for handbrake pawl rod .....	Y. YL. Z. ZL.
89126	Set screw, 12 m/m × 30 m/m, fixing gearbox to clutch casing .....	Y. YL. Z. ZL.
89213	Set screw, 12 m/m × 35 m/m, fixing rear bearing cap .....	Y. YL. Z. ZL.
89264	Set screw, 12 m/m × 52 m/m, fixing rear bearing cap .....	Y. YL. Z. ZL.
114221	Set screw, 8 m/m × 55 m/m, fixing gearbox cover..	Y. YL. Z. ZL.
500206	Guide screw for clutch thrust housing .....	Y. YL. Z. ZL.
500223	Gasket for front bearing cap .....	Y. YL. Z. ZL.
500225	Gasket for rear bearing cap .....	Y. YL. Z. ZL.
500226	Cover for gearbox .....	Y. YL. Z. ZL.
500227	Gasket for gearbox cover .....	Y. YL. Z. ZL.
500228	Gearbox casing .....	Y. YL. Z. ZL.
500232	Gearbox complete, without free-wheel, with rear bearing cap. Please give number of teeth on speedometer drive pinion .....	Z. ZL.
500239	Gearbox complete, without free-wheel, with rear bearing cap .....	Y.
506072	Gearbox complete, without free-wheel, with rear bearing cap .....	YL.
506128	Pinion for speedometer drive (ratio 6 × 13) for back axle with 9 × 43 ratio .....	YL.
506148	Clamp for speedometer drive socket.....	Y. YL. Z. ZL.
506258	Pinion for speedometer drive (7 × 14 ratio) for back axle with 9 × 43 ratio .....	Z.

# GEARBOX

## GEARBOX COMPLETE, CASING, COVER, CHANGE SPEED LEVER AND HAND BRAKE LEVER

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
506285	Sleeve for speedometer drive .....	Y. YL. Z. ZL.
506309	Worm for speedometer drive (ratio $6 \times 13$ ) for back axle with $9 \times 43$ ratio .....	YL.
506312	Coupling flange (1st type with "Rawhide" oil retainer joint, diameter 61.9 m/m, outer diameter of splined part 41.25 m/m) without intermediate propellor shaft on ZL. type.....	Y. YL. Z. ZL.
506349	Castellated nut, 16 m/m $\times$ 1.5 pitch, fixing coupling flange.....	Y. YL. Z. ZL.
506350	Washer for nut fixing coupling flange .....	Y. YL. Z. ZL.
506357	Coupling flange (3-arm spider) 1st type for fitting with "Rawhide" oil retainer joint, diameter 61.9, outer diameter of part for joint 41.25 m/m. Z type with intermediate propellor shaft .....	Z.
506378	Worm for speedometer drive (ratio $7 \times 14$ ) for back axle with ratio $9 \times 43$ .....	Z.
506379	Worm for speedometer drive (ratio $6 \times 11$ ) for back axle with ratio $11 \times 46$ .....	ZL.
506380	Pinion for speedometer drive (ratio $6 \times 11$ ) for back axle with $11 \times 46$ ratio .....	ZL.
506381	Worm for speedometer drive (ratio $4 \times 9$ ) for back axle with $9 \times 46$ ratio .....	Y.
506382	Pinion for speedometer drive (ratio $4 \times 9$ ) for back axle with $9 \times 46$ ratio .....	Y.
506385	Coupling flange (gearbox end) (2nd type with "Spi" oil retainer joint, diameter 60.9, outer diameter of splined part 40 m/m).....	Y. YL. Z. ZL.
506388	Coupling (3-arm spider) 2nd type with "Spi". oil retainer joint, diameter 60.9 m/m, diameter of part for joint 40 m/m. (Standard Z type chassis with intermediate propellor shaft) ....	Z.
506397	Worm for speedometer drive (ratio $7 \times 13$ ) for back axle with ratio $10 \times 43$ .....	ZL.
506398	Pinion for speedometer drive (ratio $7 \times 13$ ) for back axle with $10 \times 43$ ratio .....	ZL.
515319	Knob (black) for change speed lever (10 m/m $\times$ 1.5 pitch) .....	Y. YL.
515322	Knob (brown) for change speed lever (10 m/m $\times$ 1.5 pitch) .....	Z. ZL.
515325	Knob (grey) for change speed lever (10 m/m $\times$ 1.5 pitch) .....	Z. ZL.
515335	Change speed lever only.....	YL. ZL.
515343	Gear selector plate .....	Y. YL. Z. ZL.
515345	Handbrake lever complete (1st type, the pawl is fitted on a pivot bolt) .....	Y. YL. Z. ZL.
515349	Pawl rod for handbrake lever .....	Y. YL. Z. ZL.
515351	Knob for pawl rod .....	Y. YL. Z. ZL.
515352	Pivot bolt (10 m/m $\times$ 22 m/m) for handbrake lever (1st type) .....	Y. YL. Z. ZL.

# GEARBOX

## GEARBOX COMPLETE, CASING, COVER, CHANGE SPEED LEVER AND HAND BRAKE LEVER

### GEARS, SHAFTS AND SELECTOR FORKS

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
515354	Rivet fixing ratchet for brake lever .....	Y. YL. Z. ZL.
515355	Pivot bolt (10 m/m × 25 m/m) for pawl and for control rod of handbrake (1st type) .....	Y. YL. Z. ZL.
515362	Change speed lever only .....	Y. Z.
515365	Distance piece for bolt No. 1741 fixing brake ratchet (bore 9 m/m) .....	Y. YL. Z. ZL.
515367	Ratchet for handbrake lever .....	Y. YL. Z. ZL.
515370	Pawl for handbrake lever .....	Y. YL. Z. ZL.
515372	Distance piece inner for brake rod pawl .....	Y. YL. Z. ZL.
515380	Nut, castellated, 10 m/m × 1.5 pitch, for pivot bolt No. 515355 (1st type) .....	Y. YL. Z. ZL.
515385	Handbrake lever complete (2nd type, the pawl is fitted on a pivot pin) .....	Y. YL. Z. ZL.
515390	Pivot bolt, 10 m/m × 28 m/m, for handbrake lever (2nd type) .....	Y. YL. Z. ZL.
515392	Pivot pin, 10 m/m × 29 m/m, for handbrake pawl and handbrake control rod .....	Y. YL. Z. ZL.
<b>GEARS, SHAFTS AND SELECTOR FORKS</b>		
1034	Lock-washer, 8 m/m, for set screws fixing selector forks .....	Y. YL. Z. ZL.
1342	Ball (locking) for selector rod, diameter 9.53 m/m ..	Y. YL. Z. ZL.
2183	Set screw, 8 m/m × 20 m/m, fixing change speed lever bracket on cross-member .....	Y. YL. Z. ZL.
2544	Ball for direct drive and 2nd speed sliding gear, diameter 6.35 m/m .....	Y. YL. Z. ZL.
18025	Set screw, 8 m/m × 15 m/m, fixing gear lever selector plate .....	Y. YL. Z. ZL.
89066	Spring for gear selector locking ball, length 24 m/m, 8 coils .....	Y. YL. Z. ZL.
89213	Set screw, 12 m/m × 35 m/m, fixing rear bearing cap .....	Y. YL. Z. ZL.
89230	Set screw fixing gear selector ball spring .....	Y. YL. Z. ZL.
89237	Set screw locking selector forks .....	Y. YL. Z. ZL.
89264	Set screw, 12 m/m × 52 m/m, fixing rear bearing cap .....	Y. YL. Z. ZL.
89471	Roller bearing for layshaft gear train .....	Y. YL. Z. ZL.
89840	Washer, 8.5 m/m, fixing change speed lever bracket on cross-member .....	Y. YL. Z. ZL.
403152	Oil retaining joint complete for rear bearing cap No. 500224, "Rawhide" type, diameter 61.9 m/m .....	Y. YL. Z. ZL.
403164	Oil retaining joint complete for rear bearing cap No. 500237, "Spi" type, diameter 60.9 m/m ..	Y. YL. Z. ZL.
500201	Plunger locking gear selector rods .....	Y. YL. Z. ZL.
500207	Neutral point selector .....	Y. YL. Z. ZL.
500222	Front main shaft bearing cap (depth 3 in.) .....	Y. YL. Z. ZL.

# GEARBOX

# GEARS, SHAFTS AND SELECTOR FORKS

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
500223	Gasket for front bearing cap .....	Y. YL. Z. ZL.
500224	Rear bearing cap (for "Rawhide" oil retaining joint, 1st type, diameter 61.9 m/m) .....	Y. YL. Z. ZL.
500225	Gasket for rear bearing cap .....	Y. YL. Z. ZL.
500226	Cover for gearbox .....	Y. YL. Z. ZL.
500227	Gasket for gearbox cover .....	Y. YL. Z. ZL.
500237	Rear bearing cap (for "Spi" oil retaining joint, 2nd type, diameter 60.9 m/m) .....	Y. YL. Z. ZL.
506071	Reverse pinion, bushed .....	Y. YL. Z. ZL.
506076	Bush for reverse pinion .....	Y. YL. Z. ZL.
506286	Clutch shaft and direct drive pinion only (1st type, length of teeth (16 teeth) 20.5 m/m. Is fitted with oil baffle No. 506288 or flat washer No. No. 506392) .....	Y. YL. Z. ZL.
506287	Roller bearing in clutch shaft, and direct drive pinion for main shaft spigot.....	Y. YL. Z. ZL.
506289	Locking ring, outer, for ball bearing on clutch shaft, also for ball bearing on main shaft.....	Y. YL. Z. ZL.
506290	Locking ring, inner, for ball bearing on clutch shaft .....	Y. YL. Z. ZL.
506291	Main shaft (1st type) for fitting without special bearing thrust washer .....	Y. YL. Z. ZL.
506292	Synchronising clutch complete for 2nd speed and direct drive .....	Y. YL. Z. ZL.
506294	Spring for ball in direct drive sliding sleeve.....	Y. YL. Z. ZL.
506296	Synchronising engagement sleeve for 2nd speed and direct drive .....	Y. YL. Z. ZL.
506297	Positioning washer for front of 2nd speed idle pinion .....	Y. YL. Z. ZL.
	Also for bearing on 2nd type main shaft No. 506399.....	Z. ZL.
506298	Positioning washer for rear of 2nd speed idle pinion .....	Y. YL. Z. ZL.
506299	Spring for gear selector plunger Nos. 506300 and 506395.....	Y. YL. Z. ZL.
506300	Plunger for sliding gear check plate (1st type, length 7.5 m/m, diameter 5 m/m) .....	Y. YL. Z. ZL.
	Also for locking packing washer for 2nd type main shaft No. 506399 .....	Z. ZL.
506301	Check plate for 2nd speed idler gear washers (1st type hole stepped 3 m/m and 5.5 m/m, for washers Nos. 506297 and 506298). Replaced by No. 506396, order in addition one plunger No. 506395 .....	Y. YL. Z. ZL.
506302	Bush for 2nd speed idle pinion. This part is supplied unfinished and should be finished in the workshop, by using the main shaft as a mandril to enable 1/10, 2/10 or 3/10 m/m clearance to be obtained when finished.....	Y. YL. Z. ZL.
506303	2nd speed idle pinion (22 teeth) .....	Z. ZL.

# GEARBOX

# GEARS, SHAFTS AND SELECTOR FORKS

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
506304	2nd speed idle pinion (24 teeth) .....	Y. YL.
506305	Sliding gear, 1st speed and reverse .....	Y. YL. Z. ZL.
506306	Ball bearing (35 × 80 × 21) for rear end of mainshaft .....	Y. YL. Z. ZL.
506307	Packing washer for rear bearing on main shaft .....	Y. YL. Z. ZL.
506309	Worm for speedometer drive (6 × 13 ratio) for back axle, ratio 9 × 43 .....	Y.L.
506310	Distance piece for speedometer worm .....	Y. YL. Z. ZL.
506311	Nut locking rear ball bearing on main shaft (when free-wheel is fitted) .....	Y. YL. Z. ZL.
506312	Coupling flange (1st type with "Rawhide" oil retaining joint, diameter of joint 61.9 m/m, outer diameter of splines 41.25 m/m .....	Y. YL.
	For light (ZL.) 20 h.p. without intermediate propellor shaft .....	ZL.
506313	Lock-washer for nut fixing rear bearing on main shaft (when free-wheel is fitted) .....	Y. YL. Z. ZL.
506315	Layshaft gear train .....	Y. YL.
506316	Layshaft gear train .....	Z. ZL.
506317	Layshaft spindle .....	Y. YL. Z. ZL.
506318	Thrust washer (bronze) for front and rear of layshaft gear train .....	Y. YL. Z. ZL.
506319	Washer, rear, on layshaft spindle .....	Y. YL. Z. ZL.
506320	Distance piece for inner bearings on layshaft gear train .....	Y. YL. Z. ZL.
506321	Locking plate for layshaft spindle and for reverse gear spindle .....	Y. YL. Z. ZL.
506323	Spindle for reverse gear pinion .....	Y. YL. Z. ZL.
506324	Ball bearing (40 × 80 × 18) for clutch shaft .....	Y. YL. Z. ZL.
506348	Spring for gear selector rod ball (length 30 m/m, 10½ coils) .....	Y. YL. Z. ZL.
506349	Castellated nut, 16 m/m × 1.5 pitch, fixing coupling flange .....	Y. YL. Z. ZL.
506350	Washer for nut fixing coupling flange .....	Y. YL. Z. ZL.
506357	Coupling (3-arm spider) 1st type with "Rawhide" oil retaining joint, diameter 61.9 m/m, diameter of part taking joint, 41.25 m/m. Z type with intermediate propellor shaft .....	Z.
506378	Worm for speedometer drive (7 × 14 ratio) for back axle ratio 9 × 43 .....	Z.
506379	Worm for speedometer drive (6 × 11 ratio) for back axle ratio 11 × 46 .....	ZL.
506381	Worm for speedometer drive (4 × 9 ratio) for back axle ratio 9 × 46 .....	Y.
506385	Coupling flange on gearbox (2nd type, with "Spi" oil retaining joint, diameter of joint 60.9 m/m, outer diameter of splines, 40 m/m) .....	Y. YL.
	For light 20 h.p. without intermediate propellor shaft .....	Z.L.

# GEARBOX

# GEARS, SHAFTS AND SELECTOR FORKS

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
506388	Coupling (3-arm spider) 2nd type, with "Spi" oil retaining joint, diameter 60.9, diameter of part taking joint, 40 m/m. Type Z, with intermediate propellor shaft .....	Z.
506392	Packing washer fitted in front of clutch shaft, diameter 52 m/m, hole 41 m/m, thickness 1 m/m. Replaces oil baffle No. 506288. Is only fitted with clutch shaft (1st type) No. 506286 .....	Y. YL. Z. ZL.
506393	Clutch shaft and direct drive pinion only (2nd type) length of teeth (16 teeth) 21.5 m/m. Is fitted without oil baffle No. 506288 or without flat washer No. 506392. Note this carefully .....	Y. YL. Z. ZL.
506395	Plunger for gear selector plate (2nd type) overall length 8 m/m, length 6.5 m/m, of 5 m/m diameter and 1.5 m/m, of 3 m/m diameter .....	Y. YL. Z. ZL.
506396	Gear selector locking plate (2nd type) cylindrical hole, diameter 3.25 m/m for washers Nos. 506297 and 506298. Replaces No. 506301, order in addition one plunger No. 506395 .....	Y. YL. Z. ZL.
506397	Worm for speedometer drive (7 × 13 ratio) for back axle ratio 10 × 43 .....	ZL.
506399	Main shaft (2nd type) fitted with special thrust washer for bearing .....	Z. ZL.
515330	Spindle for reverse gear and 1st speed selector fork..	Y. YL. Z. ZL.
515331	Spindle for 2nd and direct drive gears selector fork..	Y. YL. Z. ZL.
515332	Selector fork for 1st speed and reverse .....	Y. YL. Z. ZL.
515333	Selector fork for 2nd speed and direct drive .....	Y. YL. Z. ZL.
515334	Guide rod for selector forks .....	Y. YL. Z. ZL.
515336	Bracket (housing) for change speed lever .....	Y. YL. Z. ZL.
515338	Cup (friction, brass) for change speed lever (1st type) .....	Y. YL. Z. ZL.
515339	Cup (packing, sheet metal) for change speed lever spring (1st type) .....	Y. YL. Z. ZL.
515340	Spring, retainer, for change speed lever .....	Y. YL. Z. ZL.
515343	Selector plate (gate) for change speed lever .....	Y. YL. Z. ZL.
515374	Thrust ring (steel) for the 2nd speed and direct drive selector fork rod (for gearboxes in which the front end fixing of the 2nd speed and direct drive selector rod is in line with the fixing of the 1st speed and reverse gear selector rod) .....	Y. YL. Z. ZL.
515375	Thrust washer for the 2nd speed and direct drive selector fork rod (for gearboxes in which the front end fixing of the 2nd speed and direct drive selector rod is in line with the fixing of the 1st speed and reverse gear selector rod) .....	Y. YL. Z. ZL.
515384	Screwed cup pin for change speed lever ball joint	Y. YL. Z. ZL.
515395	Friction cup (Ferodo) for change speed lever (2nd type) .....	Y. YL. Z. ZL.

# FREE-WHEEL

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>FREE-WHEEL</b>		
1100	Set screw, 6 m/m × 10 m/m, for cover for free-wheel casing (housing) .....	Y. YL. Z. ZL.
1332	Nut, 12 m/m × 1.75 pitch, for studs fixing free-wheel casing (housing) to gearbox .....	Y. YL. Z. ZL.
1342	Ball locking spindle of free-wheel fork .....	Y. YL. Z. ZL.
2338	Set screw, 5 m/m, fixing outer casing of free-wheel control cable .....	Y. YL. Z. ZL.
3007	Nut, 6 m/m × 1. pitch, for set screw fixing bracket for control cable outer casing .....	Y. YL. Z. ZL.
3410	Packing washer for cable clip distance piece .....	Y. YL. Z. ZL.
18013	Set screw, 6 m/m × 20 m/m, fixing speedometer drive clamp .....	Y. YL. Z. ZL.
18051	Nut, 5 m/m × .75 pitch, for set screw fixing outer casing .....	Y. YL. Z. ZL.
33470	Set screw, 6 m/m × 15 m/m, fixing bracket for outer cable casing clip .....	Y. YL. Z. ZL.
88090	Ball bearing, 30 × 62 × 16, for rear of free-wheel..	Y. YL. Z. ZL.
88091	Ball bearing, 35 × 72 × 17, for front of free-wheel..	Y. YL. Z. ZL.
88250	Nut, 7 m/m × 1. pitch, for cable clamp .....	Y. YL. Z. ZL.
89230	Set screw for locking spring (1st type) .....	Y. YL. Z. ZL.
117281	Greaser, 8 m/m × 1.25 pitch, for free-wheel casing (housing) .....	Y. YL. Z. ZL.
117713	Lock-washer for set screw fixing free-wheel control fork .....	Y. YL. Z. ZL.
403152	Oil retainer complete for free-wheel casing (housing) 1st type, diameter 61.9 .....	Y. YL. Z. ZL.
403164	Oil retainer complete for free-wheel casing (housing) 2nd type, diameter 60.9 .....	Y. YL. Z. ZL.
450116	Dowel pin for free-wheel casing (housing) aligning washer .....	Y. YL. Z. ZL.
506128	Pinion for speedometer drive (6 × 13 ratio) for back axle ratio 9 × 43 .....	Y. YL. Z. ZL.
506148	Clamp for speedometer drive socket .....	Y. YL. Z. ZL.
506258	Pinion for speedometer drive (ratio 7 × 14) for back axle ratio (9 × 43) .....	Z.
506285	Socket for speedometer drive .....	Y. YL. Z. ZL.
506309	Worm for speedometer drive (6 × 13 ratio) for back axle ratio 9 × 43 .....	YL.
506311	Nut, ring, locking rear ball bearing on gearbox main shaft .....	Y. YL. Z. ZL.
506312	Coupling flange (1st type, outer diameter of splines 41.25 m/m) .....	Y. YL.
	Also for 20 h.p. Light, without intermediate propeller shaft .....	ZL.
506313	Lock-washer for ring nut fixing rear ball bearing on gearbox main shaft .....	Y. YL. Z. ZL.
506314	Sliding gear for free-wheel .....	Y. YL. Z. ZL.

# FREE-WHEEL

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
506325	Casing (housing) for free-wheel (1st type, bored at end for oil retainer diameter 61.9 m/m) . . . .	Y. YL. Z. ZL.
506326	Aligning washer for free-wheel casing (housing) . . . .	Y. YL. Z. ZL.
506327	Locking ring for free-wheel rear bearing (30 × 62 × 16) . . . . .	Y. YL. Z. ZL.
506328	Gasket (paper) for free-wheel casing (housing) . . . . .	Y. YL. Z. ZL.
506329	Clutch shaft for free-wheel . . . . .	Y. YL. Z. ZL.
506331	Bronze shoe for free-wheel hub . . . . .	Y. YL. Z. ZL.
506332	Roller for free-wheel . . . . .	Y. YL. Z. ZL.
506333	Spring for free-wheel roller . . . . .	Y. YL. Z. ZL.
506334	Bearing (thrust plate) for free-wheel roller . . . . .	Y. YL. Z. ZL.
506335	Thrust washer (for ends) of free-wheel rollers . . . . .	Y. YL. Z. ZL.
506336	Locking ring for free-wheel roller end thrust washer . . . . .	Y. YL. Z. ZL.
506337	Spindle for free-wheel control fork (1st type with locking ball) . . . . .	Y. YL. Z. ZL.
506339	Stud (guide pin) for free-wheel control fork . . . . .	Y. YL. Z. ZL.
506340	Pivot bolt for free-wheel control lever . . . . .	Y. YL. Z. ZL.
506341	Lever controlling free-wheel . . . . .	Y. YL. Z. ZL.
506342	Cover (sheet metal) for free-wheel casing (housing) . .	Y. YL. Z. ZL.
506343	Gasket (cork) for cover of free-wheel casing (housing) . . . . .	Y. YL. Z. ZL.
506344	Set screw locking free-wheel control fork . . . . .	Y. YL. Z. ZL.
506345	Stud, 12 m/m × 125, fixing free-wheel casing (housing) to gearbox . . . . .	Y. YL. Z. ZL.
506346	Locking ring for free-wheel front bearing (35 × 72 × 17) . . . . .	Y. YL. Z. ZL.
506348	Spring for locking ball (1st type) length 30 m/m, diameter 9 m/m . . . . .	Y. YL. Z. ZL.
506349	Castellated nut fixing coupling flange . . . . .	Y. YL. Z. ZL.
506350	Washer for coupling flange . . . . .	Y. YL. Z. ZL.
506357	Coupling (spider, 3-arm) (1st type) for fitting with "Rawhide" oil retainer, diameter 61.9 m/m, diameter of part taking joint 41.5 m/m . . . . .	Z.
506370	Free-wheel assembly complete (please give number of teeth on speedometer drive pinion) . . . . .	Y. YL. Z. ZL.
506371	Spindle for free-wheel control fork (2nd type, without locking ball) . . . . .	Y. YL. Z. ZL.
506372	Spring for clutch fork (return) (2nd type) . . . . .	Y. YL. Z. ZL.
506378	Worm for speedometer drive (7 × 14 ratio) for rear axle 9 × 43 ratio . . . . .	Z.
506381	Worm for speedometer (4 × 9 ratio) for rear axle 9 × 46 ratio . . . . .	Y.
506382	Pinion for speedometer drive (4 × 9 ratio) for rear axle 9 × 46 ratio . . . . .	Y.
506385	Coupling flange (2nd type,) outer diameter of splines 40 m/m . . . . .	Y. YL. ZL.
	(ZL. without intermediate propellor shaft)	

# FREE-WHEEL

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
506388	Coupling (spider, 3-arm) 2nd type with "Spi" oil retainer, diameter 60.9 m/m, diameter of part taking joint 40 m/m. For 20 h.p. with intermediate propellor shaft .....	Z.
506391	Casing( housing) for free-wheel( 2nd type,) bored at end for oil retainer, diameter 60.9 m/m ....	Y. YL. Z. ZL.
506397	Worm for speedometer drive (7 × 13 ratio) for rear axle 10 × 43 ratio .....	ZL.
506404	Fork for free-wheel control, with stud (guide pin) ..	Y. YL. Z. ZL.
506398	Pinion for speedometer drive (7 × 13 ratio) for rear axle ratio 10 × 43 .....	ZL.
506405	Hub for free-wheel with shoes .....	Y. YL. Z. ZL.
550477	Bracket for cable outer cable clip on chassis cross-member.....	Y. YL. Z. ZL.
550478	Clamp for free-wheel cable control on cross-member.....	Y. YL. Z. ZL.
550479	Pin (bolt) for cable clamp .....	Y. YL. Z. ZL.
550474	Control complete (knob, cable and casing). Inscription in English .....	Y. YL. Z. ZL.
550480	Distance piece for cable clamp .....	Y. YL. Z. ZL.
550520	Control complete (knob, cable and casing) L.H.D....	Y. YL. Z. ZL.
550525	Control complete (knob, cable and casing R.H.D). (inscription in French) .....	Y. YL. Z. ZL.

# PROPELLOR SHAFT

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>PROPELLOR SHAFT</b>		
1100	Set screw, 6 m/m × 10 m/m, for air outlet cover plate No. 380196 .....	Y. YL. Z. ZL.
1505	Nut, 8 m/m × 1.25 pitch, for bolts fixing propellor shaft to gearbox and back axle .....	Y. YL. Z. ZL.
88503	Locking ring for universal joint cross-head bearings (bushes) .....	Y. YL. Z. ZL.
88713	Lock-washer, double, for nuts fixing propellor shaft coupling to gearbox and to back axle.....	Y. YL. Z. ZL.
88983	Tecalemit greaser for front and rear end of propellor shaft .....	Y. YL. Z. ZL.
89015	Spring retainer for front dust cover .....	Z. ZL.
89083	Spring retainer for rear dust cover .....	Y. YL. Z. ZL.
89266	Bolt, 8 m/m × 25 m/m, fixing coupling flange to gearbox and back axle.....	Y. YL. Z. ZL.
89514	Set screw, 6 m/m × 10 m/m, fixing dust cover to universal joint .....	Y. YL. Z. ZL.
89752	Washer, steel, split, for front oil retainer cover.....	Y. YL. Z. ZL.
380118	Gasket for flanges of front and rear universal joint dust covers .....	Y. YL. Z. ZL.
380125	Cork packing for dust covers Nos. 380184 and 380186.....	Y. YL. Z. ZL.
380127	Felt washer for oil retaining cover on sliding joint..	Y. YL. Z. ZL.
380129	Oil retaining cover on sliding joint .....	Y. YL. Z. ZL.
380184	Dust cover on sliding sleeve .....	Y. YL. Z. ZL.
380186	Dust cover on fixed joint .....	Y. YL. Z. ZL.
380190	Dust cover (large) for front and rear flanges.....	Y. YL. Z. ZL.
380191	Oil retaining cowl .....	Y. YL. Z. ZL.
380192	Spring washer for oil retaining cowl.....	Y. YL. Z. ZL.
380196	Air outlet plate .....	Y. YL. Z. ZL.
380237	Joint complete, sliding type, front .....	Y. YL. Z. ZL.
380240	Bearings and cross-head (spider) complete.....	Y. YL. Z. ZL.
380260/01	Propellor shaft complete with front and rear joints, minimum length 4 ft. 2 <sup>3</sup> / <sub>8</sub> in. (for fitting without free-wheel) .....	YL.
380267	Propellor shaft complete with front and rear joints, minimum length 4 ft. 11 <sup>7</sup> / <sub>8</sub> in. (for fitting without free-wheel) .....	Y.
380270	Propellor shaft complete with front and rear joints, minimum length 3 ft. 6 in. (for fitting with free-wheel).....	Z.
380286	Propellor shaft complete with front and rear joints, minimum length 4 ft. 7 <sup>11</sup> / <sub>16</sub> in. (for fitting with free-wheel) .....	Y.
380291	Propellor shaft complete with front and rear joints, minimum length 4 ft. 3 <sup>1</sup> / <sub>4</sub> in. (for fitting without free-wheel) .....	ZL.

# PROPELLOR SHAFT

# PROPELLOR SHAFT INTERMEDIATE PROPELLOR SHAFT

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
380292	Propellor shaft complete with front and rear joints, minimum length 3 ft. 10 $\frac{1}{8}$ in. (for fitting with free-wheel) .....	YL.
380293	Propellor shaft complete with front and rear joints, minimum length 3 ft. 11 in. (for fitting with free-wheel) .....	ZL.
<h2>INTERMEDIATE PROPELLOR SHAFT</h2>		
1023	Nut, 7 m/m $\times$ 1.0 pitch, for set screws fixing intermediate propellor shaft bracket to chassis cross-member .....	Z.
2120	Set screw, 7 m/m $\times$ 15 m/m, fixing intermediate propellor shaft bracket to chassis cross-member .....	Z.
6306	Ball bearing, deep groove type, 30 $\times$ 72 $\times$ 19, for intermediate propellor shaft .....	Z.
89188	Set screw fixing end cap to intermediate propellor shaft bearing bracket housing .....	Z.
89217	Set screw fixing "Hardy" joint to coupling flange (spider) .....	Z.
28833	Castellated nut, 12 m/m $\times$ 1.75 pitch, fixing "Hardy" joint to coupling flange (spider) .....	Z.
32784	Greaser for intermediate propellor shaft ball bearing .....	Z.
403152	Oil retainer joint complete, "Rawhide" type, diameter 61.9 m/m .....	Z.
403164	Oil retainer joint complete, "Spi" type, diameter 60.9 m/m .....	Z.
506312	Coupling flange at rear of intermediate propellor shaft for "Rawhide" oil retainer, diameter of part taking joint 41.25 m/m .....	Z.
506349	Castellated nut fixing coupling flange .....	Z.
506350	Washer for nut fixing coupling flange .....	Z.
506352	Housing for intermediate propellor shaft bearing, for use with "Rawhide" oil retainer joint, diameter of part taking the joint 61.9 m/m .....	Z.
506353	End cap for intermediate propellor shaft bearing housing, for use with "Rawhide" oil retainer joint, diameter of part taking the joint 61.9 m/m .....	Z.
506354	Rubber pads for intermediate propellor shaft bearing bracket .....	Z.
506355	Bracket for intermediate propellor shaft bearing housing fitted to cross-member .....	Z.

PROPELLOR SHAFT

PROPELLOR SHAFT  
INTERMEDIATE PROPELLOR  
SHAFT

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
506356	Intermediate propellor shaft, for use with "Rawhide" oil retainer joint, diameter of part taking joint 41.25 m/m .....	Z.
506357	Coupling (3-arm spider) on gearbox, for use with "Rawhide" oil retainer joint, diameter of part taking joint 41.25 .....	Z.
506358	Coupling (3-arm spider) on intermediate propellor shaft .....	Z.
506359	"Hardy" flexible joint for front end of intermediate propellor shaft .....	Z.
506369	Gasket, paper, for intermediate propellor shaft bearing housing .....	Z.
506383	Distance washer for ball bearing and rear coupling flange of intermediate propellor shaft.....	Z.
506385	Coupling flange at rear of bearing bracket, for use with "Spi" oil retainer joint, diameter of part taking joint 40 m/m .....	Z.
506387	Housing for intermediate propellor shaft bearing, for use with "Spi" oil retainer joint, diameter of part taking the joint 60.9 m/m.....	Z.
506388	Coupling (3-arm spider) on gearbox, for use with "Spi" oil retainer joint, diameter of part taking joint 40 m/m .....	Z.
506389	Intermediate propellor shaft, for use with "Spi" oil retainer joint, diameter of part taking joint 40 m/m .....	Z.
506390	End cap for intermediate propellor shaft bearing housing, for use with "Spi" oil retainer joint, diameter of part taking joint 60.9 m/m....	Z.

# BACK AXLE

# BACK AXLE CASING AND BEVEL PINION HOUSING

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>BACK AXLE CASING AND BEVEL PINION HOUSING</b>		
1020	Nut, 10 m/m × 1.5 pitch, for studs fixing back axle inspection plate .....	Y. YL. Z. ZL.
2159	Washer for oil filler plug, also drain plug .....	Y. YL. Z. ZL.
2950	Oil filler for bevel pinion housing and drain plug for back axle casing .....	Y. YL. Z. ZL.
18293	Set screw, 8 m/m × 20 m/m, fixing inspection cover to back axle casing .....	Y. YL. Z. ZL.
33601	Set screw, 10 m/m × 20 m/m, fixing bevel pinion housing to back axle casing .....	Y. YL. Z. ZL.
88685	Lock-washer, 15 m/m, for studs fixing differential bearing caps .....	Y. YL. Z. ZL.
88953	Greaser, 8 m/m × 1.25 pitch, length 1½ in., fitted on flange of back axle casing .....	Y. YL. Z. ZL.
400010	Gasket between inspection cover and back axle casing .....	Y. YL. Z. ZL.
400019	Pin for lock-washer for differential cage bearing retaining nut .....	Y. YL. Z. ZL.
400020	Gasket between bevel pinion housing and back axle casing .....	Y. YL. Z. ZL.
400113	Bevel pinion housing with bearing caps, studs and lock-washers. (Please give length of studs)...	Y. Z. ZL.
400117	Washers (copper) for nuts fixing back axle inspection cover .....	Y. YL. Z. ZL.
400184	Inspection cover for back axle casing .....	Y. Z. ZL.
400185	Stud fixing bearing cap and inspection cover, length 4½ in. ....	Y. YL. Z. ZL.
400224	Lock-washer for nut (ring) fixing differential casing bearings .....	Y. YL. Z. ZL.
400245	Inspection cover for back axle casing .....	YL.
400250	Bevel pinion housing with bearing caps, studs and lock-washers. (Please give length of studs)..	YL.
408129	Retaining ring (nut) for differential cage bearings..	Y. Z. ZL.
408143	Retaining ring (nut) for differential cage bearings, 84 m/m × 1.5 pitch .....	YL.
408183	Oil retainer complete, for end sleeves of back axle casing, outer diameter 71 m/m .....	YL. ZL.
415098	Oil retainer complete, for end sleeves of back axle casing, outer diameter 70 m/m .....	Y. Z.
415101	Felt gasket for back axle casing oil retainer .....	Y. YL. Z.
415328	Back axle casing with end sleeves, spring seatings U bolt positioning plate, overall length .... 4 ft. 0 1/8 in. (Width of track 4 ft. 4 1/4 in.) .....	YL.

# BACK AXLE

# BACK AXLE CASING AND BEVEL PINION HOUSING

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
415348	Back axle casing with end sleeves and spring seatings, temporary type. Depth of machining in end sleeve for housing bearing 29.7 m/m. (Width of track 4 ft. 8 $\frac{3}{4}$ in.) (Interchangeable with back axle casing No. 415360).....	Y. Z.
415351	Positioning plate on back axle casing for rear spring U bolts (R. or L.H.) .....	Y. Z.
415353	Buffer (rubber) for back axle .....	Y. Z.
415354	Positioning plate on back axle casing for rear spring U bolts (R. or L.H.) .....	YL.
415356	Buffer (rubber) for back axle .....	YL.
415360	Back axle casing with end sleeves and spring seatings (Standard type) depth of machining in end sleeve for housing bearing 19.7 m/m. (Width of track 4 ft. 8 $\frac{3}{4}$ in.). If an axle fitted with rubber buffers is required, order in addition, 2 rubber buffers No. 302825, 4 screws No. 89247 and 4 washers No. 2243 for fixing on the chassis side-member. Overall length 4 ft. 4 in.....	Y. Z.
415363	Back axle casing (width of track 4 ft. 4 $\frac{3}{4}$ in.) with end sleeves and spring seatings, depth of machining in end sleeves for ball bearing 19.7 m/m. Overall length 4 ft. 0 $\frac{3}{16}$ in.....	ZL.
415371	Back axle complete (width of track 4 ft. 8 $\frac{3}{4}$ in.) ratio 9 $\times$ 46. If a back axle fitted with rubber buffers on the axle casing is required, order in addition: 2 rubber buffers No. 302825, 4 set screws No. 89247, and 4 washers No. 2243, for fixing on the chassis side-member....	Y.
415372	Back axle complete (width of track 4 ft. 8 $\frac{3}{4}$ in.) ratio 9 $\times$ 43. If a rear axle is required with rubber buffers fitted, order in addition: 2 rubber buffers No. 302825, 4 set screws No. 89247, and 4 washers No. 2243, for fixing to chassis side-member .....	Z.
415376	Positioning plate on back axle casing for U bolts (R. or L.) .....	ZL.
415379	Back axle complete (width of track 4 ft. 4 $\frac{3}{4}$ in.) ratio 9 $\times$ 43. If a back axle fitted with rubber buffers on the axle casing is required, order in addition: 2 rubber buffers No. 302824, 4 set screws No. 89247, 4 washers No. 2243, for fixing on the chassis side-member .....	YL.
415380	Back axle complete (width of track 4 ft. 4 $\frac{3}{4}$ in.) ratio 11 $\times$ 46) .....	ZL.
415381	Back axle complete (width of track 4 ft. 4 $\frac{3}{4}$ in.) ratio 10 $\times$ 43 .....	ZL.

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>DIFFERENTIAL</b>		
1023	Nut, 7 m/m × 1. pitch, for cotter pin fixing star pinion carrier .....	Y. YL. Z. ZL.
3410	Washer, 7.5 m/m, for cotter pin fixing star pinion carrier .....	Y. YL. Z. ZL.
11156	Cotter pin fixing star pinion carrier .....	Y. YL. Z. ZL.
88015	Roller bearing (45 × 85 × 19) for differential cage..	Y. Z. ZL.
88094	Roller bearing (40 × 80 × 21) for differential cage..	YL.
88617	Lock-washer, 12.5 m/m, for set screw fixing crown wheel .....	Y. YL. Z. ZL.
400042	Set screw, 12 m/m × 19 m/m, fixing crown wheel..	Y. YL. Z. ZL.
408010	Star pinion .....	Y. ZL.
408027	Packing washer for star pinion, thickness 6.1 m/m..	Y. ZL.
408028	Packing washer for star pinion, thickness 6.15 m/m..	Y. ZL.
408029	Packing washer for star pinion, thickness 6.2 m/m..	Y. ZL.
408030	Packing washer for star pinion, thickness 6.25 m/m..	Y. ZL.
408031	Packing washer for star pinion, thickness 6.30 m/m..	Y. ZL.
408032	Differential cage .....	Y. ZL.
408033	Packing washer for planet gear, thickness 2 m/m....	Y. ZL.
408034	Packing washer for planet gear, thickness 2.25 m/m..	Y. ZL.
408035	Packing washer for planet gear, thickness 2.5 m/m..	Y. ZL.
400037	Planet gear .....	Y. ZL.
408107	Differential cage .....	Z.
408108	Planet gear .....	Z.
408109	Star pinion .....	Z.
408110	Star pinion carrier .....	Y. Z. ZL.
408111	Packing washer with round base for star pinion....	Z.
408112	Friction washer for star pinion, thickness 2 m/m....	Z.
408117	Friction washer for star pinion, thickness 2.25 m/m..	Z.
408118	Friction washer for star pinion, thickness 2.5 m/m..	Z.
408137	Differential cage .....	YL.
408138	Planet gear .....	YL.
408139	Star pinion .....	YL.
408140	Carrier for star pinion .....	YL.
408141	Friction washer for star pinion, thickness 4.40 m/m..	YL.
408159	Friction washer for star pinion, thickness 4.15 m/m..	YL.
408160	Friction washer for star pinion, thickness 4.2 m/m..	YL.
408161	Friction washer for star pinion, thickness 4.25 m/m..	YL.
408162	Friction washer for star pinion, thickness 4.3 m/m..	YL.
408163	Friction washer for star pinion, thickness 4.75 m/m..	YL.

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>CROWN WHEEL AND PINION</b>		
306E	Ball bearing, single row (30 × 72 × 15) for bevel pinion coupling flange end. Two are fitted to each pinion. One No. 88007 double row bearing may be used in place of two No. 306E..	Y. YL. ZL.
2120	Set screw, 7 m/m × 15 m/m, assembling oil retainer housing .....	YL.
2366	Lock-washer, rectangular, 11 m/m, length 34 m/m, for bolts fixing thrust bearing housing (1st type) .....	YL.
6108	Ball bearing, single row, for bevel pinion, differential end (40 × 90 × 16). Two are fitted to each pinion. One No. 88002 double row bearing may be used in place of two No. 6108..	Y. Z. ZL.
12270	Set screw, 10 m/m × 30 m/m, fixing bevel pinion thrust bearing housing .....	YL.
88002	Ball bearing, double row, for bevel pinion differential end (40 × 90 × 33). One per pinion is fitted (see No. 6108) .....	Y. Z. ZL.
88007	Ball bearing, double row, for bevel pinion coupling flange end (30 × 72 × 30). One per pinion is fitted .....	Y. ZL.
88012	Washer, separating ball bearings No. 6108 .....	Y. Z. ZL.
88069	Ball bearing, single row, for bevel pinion flange end (35 × 80 × 17.46). Two are fitted to each pinion .....	Z.
88098	Ball bearing, single row (35 × 80 × 15) for bevel pinion differential end. Two are fitted to each pinion .....	YL.
89202	Set screw, 10 m/m × 22 m/m, fixing bevel pinion thrust bearing housing (retainer) .....	Y. Z. ZL.
89904	Dowel pin locking nut fixing bevel pinion bearing housing (retainer) .....	Y. Z. ZL.
113185	Lock-washer, rectangular, 11 m/m, length 24.5, for bolts fixing thrust bearing housing .....	Y. YL. Z. ZL.
400027	Oil baffle for bevel pinion, fitted against front ball bearing, flange coupling end .....	Y. ZL.
400029	Bearing retainer (ring nut) lock nut, locking bevel pinion ball bearings, 76 m/m × 1.5 pitch. ....	Y. ZL.
400030	Nut, 20 m/m × 2.5 pitch, fixing coupling flange to bevel pinion (depth 13 m/m) .....	Y. YL.
400033	Washer for bevel pinion coupling flange .....	Y. YL. Z. ZL.
400034	Lock-washer, tagged, 20.5 m/m, for nut fixing coupling flange to bevel pinion .....	Y. YL. Z. ZL.
400138	Crown wheel and bevel pinion, 9 × 46 ratio .....	Y.
400213	Crown wheel and bevel pinion, 9 × 43 ratio .....	Z.
400252	Housing (steel) for bevel pinion oil retainer for oil retainer joint No. 403164, size 60.9 m/m (2nd type) .....	YL.

# BACK AXLE

# CROWN WHEEL AND PINION

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
403023	Bearing retainer (ring nut) locking bevel pinion ball bearing, 82 m/m × 1.5 pitch .....	Z.
403024	Shim, semi-circular, for bevel pinion adjustment radius of bolt holes 52.5 m/m thickness 20/10 m/m .....	Y. Z. ZL.
403025	Shim, semi-circular, for bevel pinion adjustment (radius of bolt holes 52.5 m/m) thickness 9/100 m/m .....	Y. Z. ZL.
403026	Shim, semi-circular, for bevel pinion adjustment (radius of bolt holes 52.5 m/m) thickness 7/100 m/m .....	Y. Z. ZL.
403027	Shim, semi-circular, for bevel pinion adjustment (radius of bolt holes 52.5 m/m) thickness 5/100 m/m .....	Y. Z. ZL.
403028	Shim, semi-circular, for bevel pinion adjustment (radius of bolt holes 52.5 m/m) thickness 15/10 m/m .....	Y. Z. ZL.
403032	Nut, 20 m/m × 2.5 pitch, locking coupling to bevel pinion shaft .....	Z. ZL.
403037	Bearing housing for bevel pinion .....	Y. ZL.
403056	Shim, semi-circular, for bevel pinion adjustment (radius of bolt holes 52.5 m/m) thickness 5/10 m/m .....	Y. Z. ZL.
403057	Shim, semi-circular, for bevel pinion adjustment (radius of bolt holes 52.5 m/m) thickness 10/10 m/m .....	Y. Z. ZL.
403059	Coupling flange on bevel pinion shaft (double drilling 108 m/m and 103 m/m) depth 42 m/m, interior diameter of splines 26.2 m/m....	Y. ZL.
403114	Oil baffle for bevel pinion .....	Z.
403116	Bearing housing for bevel pinion .....	Z.
403117	Coupling flange for bevel pinion shaft, depth 42 m/m, interior diameter of splines 30.4 m/m..	Z.
403123	Distance piece for bevel pinion bearing, length 46.38 m/m, bore 40.5 m/m .....	Z.
403125	Distance piece for bevel pinion bearings, length 51 m/m, bore 40.5 m/m .....	Y. ZL.
403127	Oil thrower for bevel pinion, fitted between the inner bearing and the bevel pinion, diameter 75 m/m, centre hole 41 m/m .....	Y. Z. ZL.
403140	Oil thrower for bevel pinion, fitted between inner bearing and the bevel pinion, diameter 75 m/m, centre hole 41 m/m.....	YL.
403141	Distance piece for bevel pinion bearings, length 56.2 m/m, bore 35.5 m/m .....	YL.
403142	Coupling flange for bevel pinion, for oil retaining joint No. 403152 (1st type) depth 60 m/m, diameter of cylindrical part 41.25 m/m.....	YL.
403143	Bearing housing for bevel pinion .....	YL.
403144	Thrust plate for bevel pinion bearing. (Is fitted with sheet steel bearing cage No. 403145).....	YL.

BACK AXLE

CROWN WHEEL AND PINION

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
403145	Housing (sheet metal) for bevel pinion oil retainer, for oil retainer joint No. 403152, size 61.9 m/m (1st type) .....	YL.
403152	Oil retainer complete for bevel pinion (large) diameter 61.9 m/m (1st type) .....	YL.
403153	Shim, semi-circular, for bevel pinion adjustment, radius of bolt holes 48 m/m, thickness 20/10 m/m.....	YL.
403154	Shim, semi-circular, for bevel pinion adjustment, radius of bolt holes 48 m/m, thickness 15/10 m/m.....	YL.
403155	Shim, semi-circular, for bevel pinion adjustment, radius of bolt holes 48 m/m, thickness 10/10 m/m.....	YL.
403156	Shim, semi-circular, for bevel pinion adjustment, radius of bolt holes 48 m/m, thickness 5/10 m/m.....	YL.
403157	Shim, semi-circular, for bevel pinion adjustment, radius of bolt holes 48 m/m, thickness 9/100 m/m.....	YL.
403158	Shim, semi-circular, for bevel pinion adjustment, radius of bolt holes 48 m/m, thickness 5/100 m/m.....	YL.
403159	Shim, semi-circular, for bevel pinion adjustment, radius of bolt holes 48 m/m, thickness 7/100 m/m.....	YL.
403160	Washer, separating ball bearings No. 88098.....	YL.
403164	Oil retainer complete for bevel pinion (large) diameter 60.9 m/m (2nd type) .....	YL.
403168	Coupling flange on bevel pinion, for oil retainer No. 403164 (2nd type) diameter of cylindrical part 40 m/m .....	YL.
403171	Crown wheel and bevel pinion, 9 × 43 ratio.....	YL.
403172	Crown wheel and bevel pinion, 11 × 46 ratio.....	ZL.
403173	Crown wheel and bevel pinion, 10 × 43 ratio.....	ZL.

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>AXLE SHAFTS—HUBS</b>		
1020	Nut, 10 m/m × 1.5 pitch, for bolt fixing axle shaft bearing retainer (ro. sing) .....	Y. YL. Z. ZL.
1381	Bolt, 10 m/m × 30 m/m, fixing axle shaft bearing retainer (ho. sing) .....	YL.
1920	Dowel pin for rear wheel driving studs .....	Y. YL. Z. ZL.
2254/01	Wheel nut for driving studs, R.H. (14 m/m × 1.5 pitch) .....	Y. YL. Z. ZL.
2256/01	Wheel nut for driving studs, L.H. (14 m/m × 1.5 pitch) .....	Y. YL. Z. ZL.
6307	Ball bearing for axle shaft (35 × 80 × 21) .....	YL.
6308	Ball bearing for axle shaft (40 × 90 × 23) .....	Y. Z. ZL.
37063	Washer, 20.5 m/m, for rear axle hub nut .....	Y. Z. ZL.
39578	Nut (16 m/m × 2 pitch) locking rear wheel driving studs on hub .....	Y. YL. Z. ZL.
50792	Lock-washer (with tag) 42 m/m, for nut locking rear axle shaft bearing .....	Y. Z. ZL.
88729	Lock-washer (with tag) 20.5 m/m, for wheel hub to axle shaft nut .....	Y. Z. ZL.
400008	Key for rear wheel hub to axle shaft .....	Y. Z. ZL.
400030	Nut (20 m/m × 2.5 pitch) wheel hub to axle shaft ..	Y. Z. ZL.
400061	Nut (ring) (40 m/m × 1.5 pitch) locking axle ball bearing, right side .....	Y. Z. ZL.
400062	Nut (ring) (40 m/m × 1.5 pitch) locking axle shaft ball bearing, left side .....	Y. Z. ZL.
401177	Oil retainer complete for axle shaft bearing cap ...	Z. ZL.
408144	Axle shaft, R.H., length 2 ft. 3 $\frac{3}{4}$ in., bearing journal 35 m/m, width of track 4 ft. 4 $\frac{3}{4}$ in. ....	YL.
408145	Axle shaft, L.H., length 2 ft. 3 $\frac{3}{4}$ in., bearing journal 35 m/m, width of track 4 ft. 4 $\frac{3}{4}$ in. ....	YL.
408146	Key for rear wheel hub to axle shaft .....	YL.
408147	Lock-washer (with tag) 37 m/m, for nut locking rear axle shaft bearing .....	YL.
408148	Nut (ring) (35 m/m × 1.5 pitch) locking axle shaft ball bearing, right side .....	YL.
408149	Nut (ring) (35 m/m × 1.5 pitch) locking axle shaft ball bearing, left side .....	YL.
408156	Thrust plates for rear axle shaft bearing, holes drilled 110 m/m apart .....	YL.
408157	Gasket for rear axle shaft bearing thrust plate .....	YL.
408158	Bearing retainer for axle shaft bearing .....	YL.
408167	Oil retainer complete for rear axle shaft bearing cap .....	Y. YL.
408168	Axle shaft, R.H., length 2 ft. 5 $\frac{3}{4}$ in., bearing journal 40 m/m, width of track 4 ft. 8 $\frac{3}{4}$ in. ....	Y. Z.
408169	Axle shaft, L.H., length 2 ft. 5 $\frac{3}{4}$ in., bearing journal 40 m/m, width of track 4 ft. 4 $\frac{3}{4}$ in. ....	Y. Z.

# BACK AXLE

# AXLE SHAFTS—HUBS

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
408178	Bolt fixing rear axle shaft bearing retainer (housing).....	Y. Z. ZL.
408180	Rear axle shaft bearing retainer (housing).....	Y. Z. ZL.
420099	Rear hub, with studs, L.H. ....	Y. Z. ZL.
420116	Rear hub, with studs, R.H. ....	Y. Z. ZL.
420204	Thrust plate for axle shaft bearing .....	Y. Z. ZL.
420205	Gasket for axle shaft bearing thrust plate .....	Y. Z. ZL.
420238	Axle shaft, R.H., length 2 ft. 3 $\frac{7}{8}$ in., bearing journal 40 m/m (width of track 4 ft. 4 $\frac{3}{4}$ in.) .....	ZL.
420239	Axle shaft, L.H., length 2 ft. 3 $\frac{7}{8}$ in., bearing journal 40 m/m (width of track 4 ft. 4 $\frac{3}{4}$ in.) .....	ZL.
420311	Washer, 18.5 m/m, for hub to axle shaft nut .....	YL.
420312	Lock-washer with tag (18.5 m/m) for hub to axle shaft nut .....	YL.
420314	Wheel driving stud for rear wheel, R.H., length 44.5 m/m .....	YL.
420315	Wheel driving stud for rear wheel, L.H., length 44.5 m/m .....	YL.
420316	Hub cap for rear wheel .....	YL.
420341	Rear hub with studs, R.H.....	YL.
420342	Rear hub with studs, L.H.....	YL.
420347	Nut, 18 m/m $\times$ 1.5 pitch, rear wheel hub to axle shaft .....	YL.
442100	Wheel driving stud. Rear wheel, L.H., length 50 m/m .....	Y. Z. ZL.
442101	Wheel driving stud. Rear wheel, R.H., length 50 m/m .....	Y. Z. ZL.
442102	Hub cap for rear wheel .....	Y. Z. ZL.
450062	Lock-washer, 10.5 m/m, for nut of bolt fixing rear axle bearing retainer (housing) .....	Y. Z. ZL.

# FRONT AXLE

# FRONT AXLE COMPLETE, FRONT AXLE, STUB AXLE AND HUBS

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>FRONT AXLE COMPLETE, FRONT AXLE, STUB AXLE AND HUBS</b>		
1020	Nut, 10 m/m × 1.5 pitch, for set screw regulating steering lock .....	Y. YL. Z. ZL.
1920	Dowel pin for wheel driving stud .....	Y. YL. Z. ZL.
2254/01	Nut for wheel driving stud, R.H. ....	Y. YL. Z. ZL.
2256/01	Nut for wheel driving stud, L.H. ....	Y. YL. Z. ZL.
39578	Nut, 16 m/m × 2.0 pitch, fixing wheel studs to hub .....	Y. YL. Z. ZL.
88021	Bearing for hub, Timken (33.33 × 69.01 × 21.4) inner .....	Y. Z. ZL.
88022	Bearing for hub, Timken (22.2 × 56.89 × 19.3) outer .....	Y. Z. ZL.
88036	Thrust bearing, Timken, for stub axle.....	Y. Z. ZL.
88211	Castellated nut, 20 m/m × 1.5 pitch, for hub to stub axle .....	Y. Z.
88234	Castellated nut, 16 m/m × 1.5 pitch, for hub to stub axle .....	YL. ZL.
88608	Expanding washer, drilled, for stub axle, upper (23.6 m/m diameter) .....	Y. Z. ZL.
88609	Expanding washer, blank, for stub axle, lower (23.6 m/m diameter) .....	Y.
89772	Packing washer for stub axle, diameter 21.4 m/m, thickness 8/100 .....	Y. Z. ZL.
89774	Packing washer for stub axle, diameter 21.4 m/m, thickness 25/100 .....	Y. Z. ZL.
89776	Packing washer for stub axle, diameter 21.4 m/m, thickness 8/10 .....	Y. Z. ZL.
89782	Washer with tag, 20.5 m/m, locking hub outer bearing .....	Y. Z. ZL.
117281	Tecalemit greaser, 8 m/m × 1.25 pitch, for stub axle swivel pin .....	Y. YL. Z. ZL.
420314	Driving stud for front wheel hub, R.H.....	YL.
420315	Driving stud for front wheel hub, L.H.....	YL.
420316	Hub cap for front wheel (56 m/m × 1.5 pitch).....	YL.
425160	Bush for stub axle, bore 20.42 m/m .....	Y. Z. ZL.
425164	Key for stub axle swivel pin .....	Y. YL. Z. ZL.
425166	Set screw regulating steering lock .....	Y. YL. Z. ZL.
425168	Distance piece for front hub bearing (between bearing and flange on stub axle) bore 33.25 m/m.....	Y. Z. ZL.
425180	Washer for stub axle swivel pin (composition) .....	Y. Z. ZL.
425403	Bush for stub axle, bore 18 m/m .....	YL.
425404	Cup for swivel pin thrust bearing .....	YL.
425405	Washer for swivel pin thrust bearing, bore 18.25 m/m.....	YL.
425406	Bronze separating washer for stub axle thrust bearing, bore 18.25 m/m .....	YL.

## FRONT AXLE

FRONT AXLE COMPLETE, FRONT  
AXLE, STUB AXLE AND HUBS

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
425407	Expanding washer for stub axle, upper and lower, diameter 21.9 m/m .....	YL.
425415	Packing washer, 18.5 m/m, for stub axle, thickness 8/10 m/m .....	YL.
425416	Packing washer, 18.5 m/m, for stub axle, thickness 25/100 m/m .....	YL.
425418	Swivel pin for stub axle .....	YL.
425427	Bearing for hub Timken (30 × 62 × 20,64) inner..	YL.
425428	Bearing for hub Timken (18 × 50 × 23) outer.....	YL.
425437	Swivel pin for stub axle .....	Y. Z. ZL.
425446	Stub axle, bushed, L.H. ....	YL.
425447	Stub axle, bushed, R.H. ....	YL.
425451	Stub axle, bushed, L.H. ....	Y. Z. ZL.
425452	Stub axle, bushed, R.H. ....	Y. Z. ZL.
425456	Front hub, with driving studs (R.H.).....	YL.
425457	Front hub, with driving studs (L.H.).....	YL.
425458	Front axle, stamping only (width of track 4 ft. 4 $\frac{3}{4}$ in.) distance between swivel pins 3 ft. 11 $\frac{1}{4}$ in., bored 18 m/m for swivel pins, holes for spring clip U bolts, bored, 12.5 m/m. (If the holes for spring clips are 10.5 m/m, order in addition 4 × U bolts No. 352276).....	YL.
425459	Front axle complete, L.H.D. (width of track 4 ft. 4 $\frac{3}{4}$ in.) .....	YL.
425460	Front axle complete, R.H.D. (width of track 4 ft. 4 $\frac{3}{4}$ in.) .....	YL.
425461	Front axle complete, L.H.D. (width of track 4 ft. 8 $\frac{3}{4}$ in.) .....	Y.
425462	Front axle complete, R.H.D. (width of track 4 ft. 8 $\frac{3}{4}$ in.) .....	Y.
425463	Front axle complete, L.H.D. (width of track 4 ft. 8 $\frac{3}{4}$ in.) .....	Z.
425464	Front axle complete, R.H.D. (width of track 4 ft. 8 $\frac{3}{4}$ in.) .....	Z.
425491	Front axle, stamping only (width of track 4 ft. 8 $\frac{3}{4}$ in.) .....	Y. Z.
425492	Front axle, stamping only (width of track 4 ft. 4 $\frac{3}{4}$ in.) .....	ZL.
425497	Front axle complete, L.H.D. (width of track 4 ft. 4 $\frac{3}{4}$ in.) .....	ZL.
425498	Front axle complete, R.H.D. (width of track 4 ft. 4 $\frac{3}{4}$ in.) .....	ZL.
442028	Oil retainer, cork, for front hub, bore 45 m/m.....	Y. Z. ZL.
442029	Washer for front hub cork oil retainer, bore 46 m/m .....	Y. Z. ZL.
442049	Cup for front hub cork oil retainer, bore 46 m/m....	Y. Z. ZL.
442076	Front hub with driving studs, L.H. ....	Y. Z. ZL.
442077	Front hub with driving studs, R.H. ....	Y. Z. ZL.
442100	Driving stud for front wheel hub, L.H.....	Y. Z. ZL.

# FRONT AXLE

# FRONT AXLE COMPLETE, FRONT AXLE, STUB AXLE AND HUBS

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
442101	Driving stud for front wheel hub, R.H.....	Y. Z. ZL.
442102	Hub cap for front hub (67 m/m × 1.5 pitch).....	Y. Z. ZL.
442165	Distance piece for front hub bearing (between bearing and flange on stub axle) bore 30 m/m..	YL.
442166	Cup for front hub cork oil retainer, bore 41 m/m....	YL.
442167	Oil retainer, cork, for front hub, bore 41 m/m.....	YL.
442168	Washer for front hub cork oil retainer, bore 42 m/m .....	YL.
442169	Washer with tag, 16.5 m/m, locking hub outer bearing .....	YL.

# FRONT AXLE

# STEERING SIDE ROD, LEVERS AND TRACK ROD

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>STEERING SIDE ROD, LEVERS AND TRACK ROD</b>		
88667	Lock-washer, double, 11 m/m, for set screws for track rod lever .....	YL.
89029	Spring for steering side rod (length 33.5 m/m, diameter 24.5 m/m).....	Y. YL. Z.
89048	Spring (damper) for track rod (length 8 m/m, diameter 28 m/m) .....	Y. Z. ZL.
89076	Spring for steering side rod (length 32 m/m, diameter 25 m/m) .....	ZL.
89778	Packing washer (diameter 26.5 m/m, thickness 5/10 m/m) for track rod ball pin .....	Y. Z. ZL.
89780	Packing washer (diameter 26.5 m/m, thickness 15/10 m/m).....	Y. Z. ZL.
112748	Lock-washer, double, 12.5 m/m, for set screws fixing steering lever .....	YL.
117281	Greaser, 8 m/m × 1.25, for track rod and steering side rod ball joints.....	Y. YL. Z. ZL.
425424	Set screw, 10 m/m × 37 m/m, fixing track rod lever .....	YL.
425425	Set screw, 12 m/m × 40 m/m, fixing steering lever .....	YL.
425438	Set screw, 12 m/m × 42 m/m, fixing steering lever .....	Y. Z. ZL.
425439	Set screw, 14 m/m × 40 m/m, fixing track rod lever .....	Y. Z. ZL.
425440	Lock-washer for set screw fixing steering lever.....	Y. Z. ZL.
425441	Lock-washer for set screw fixing track rod lever....	Y. Z. ZL.
425448	Steering lever with ball pin, L.H.D. ....	YL.
425449	Track rod lever with ball pin, left-hand (R.H.D. or L.H.D.) .....	YL.
425450	Track rod lever with ball pin, right-hand (R.H.D. or L.H.D.) .....	YL.
425453	Steering lever with ball pin, L.H.D. ....	Y. Z. ZL.
425454	Track rod lever with ball pin, left-hand (R.H.D. or L.H.D.) .....	Y. Z.
425455	Track rod lever with ball pin, right-hand (R.H.D. or L.H.D.) .....	Y. Z.
425465	Steering lever with ball pin, R.H.D. ....	YL.
425466	Steering lever with ball pin, R.H.D. ....	Y. Z. ZL.
425499	Track rod lever with ball pin, right-hand (R.H.D. or L.H.D.) .....	ZL.
425500	Track rod lever with ball pin, left-hand (R.H.D. or L.H.D.) .....	ZL.
436014	Cup seatings for track rod and steering side rod ball pins .....	Y. Z. ZL.
436022	Packing washer for track rod spring, diameter 28 m/m, and steering side rod .....	Y. Z. ZL.

# FRONT AXLE

# STEERING SIDE ROD, LEVERS AND TRACK ROD

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
436035	Nut, 30 m/m × 1.5 pitch, ring nut for end of track rod and steering side rod .....	Y. Z. ZL.
436124	Track rod only (width of track 4 ft. 4 $\frac{3}{4}$ in.) overall length 3 ft. 11 $\frac{1}{8}$ in. ....	YL.
436125	Spring (damper) for track rod, length 8 m/m, diameter 26 m/m .....	YL.
436126	Packing washer for track rod ball joint, diameter 25 m/m, thickness 95/100 .....	YL.
436127	Track rod only (width of track 4 ft. 8 $\frac{3}{4}$ in.) overall length 4 ft. 1 $\frac{1}{4}$ in. ....	Y. Z.
436129	Track rod only (width of track 4 ft. 4 $\frac{3}{4}$ in.) .....	ZL.
437116	Nut, 28 m/m × 1.5 pitch, ring nut (thickness 16 m/m) for track rod and steering side rod end .....	YL.
437201	Steering side rod (L.H.D.) overall length 1 ft. 10 $\frac{5}{8}$ in. ....	YL.
437202	Packing washer for track rod and steering side rod spring, diameter 26 m/m .....	YL.
437203	Cup seatings for track rod and steering side rod ball pin .....	YL.
437210	Dust cover for track rod and steering side rod ball pin .....	YL.
437211	Distance piece, tubular, for steering side rod ball pin .....	YL.
437212	Steering side rod only (L.H.D.) overall length 2 ft. 1 $\frac{1}{8}$ in. ....	Y.
437213	Steering side rod only (L.H.D.) overall length 2 ft. 6 $\frac{5}{8}$ in. ....	Z.
437215	Distance piece tubular for steering side rod ball pin .....	Y. Z. ZL.
437216	Dust cover for track rod and steering side rod ball pin .....	Y. Z. ZL.
437217	Steering side rod only (R.H.D.) overall length 1 ft. 10 $\frac{5}{8}$ in. ....	YL.
437218	Steering side rod only (R.H.D.) overall length 2 ft. 1 $\frac{1}{8}$ in. ....	Y.
437219	Steering side rod only (R.H.D.) overall length 2 ft. 6 $\frac{5}{8}$ in. ....	Z.
437221	Steering side rod only (L.H.D.) overall length 2 ft. 6 in. ....	ZL.
437222	Steering side rod only (R.H.D.) overall length 2 ft. 6 in. ....	ZL.

# BRAKES

## BRAKE AND CLUTCH PEDAL ASSEMBLY, BRAKE CROSS SHAFT AND CABLES

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>BRAKE AND CLUTCH PEDAL ASSEMBLY, BRAKE CROSS SHAFT AND CABLES—(1st TYPE)</b>		
<i>For 2nd type see page 47.</i>		
1020	Nut, 10 m/m × 1.5 pitch, for bolt assembling clutch pedal and withdrawal lever (L.H.D. and R.H.D.) .....	Y. YL. Z. ZL.
1163	Woodruff key fixing lever to clutch withdrawal fork .....	Z. ZL.
1505	Nut, 8 m/m × 1.25 pitch, fixing half clips for front and rear brake cable outer casing support brackets .....	Y. YL. Z. ZL.
1848	Washer for bolt fixing pedal, 18 m/m × 10.5 m/m × 24/10 m/m thick .....	Y. YL. Z. ZL.
3413	Spring for brake control rod, length 41 m/m, diameter 13.9 m/m .....	YL. Z. ZL.
33649	Nut locking handbrake control rod (2nd type).....	Y. YL.
37231	Bolt, 10 m/m × 35 m/m, assembling clutch pedal and lever (R.H.D. and L.H.D.) .....	Y. YL. Z. ZL.
88106	Woodruff key fixing lever to clutch withdrawal fork .....	Y. YL.
88199	Nut (sleeved) 8 m/m × 1.25 pitch, for front and rear brake rod, also clutch withdrawal flexible rod .....	Y. YL. Z. ZL.
88267	Nut locking rod controlling handbrake cross-shaft..	Z. ZL.
88289	Lock nut, 8 m/m × 1.25 pitch, fixing clevis on brake cross-shaft control rod .....	Y. YL. Z. ZL.
88750	Washer for pivot pin of handbrake cross-shaft control rod (2nd type) .....	Y. YL. Z. ZL.
88917	Trunnion block, lower, for brake control levers....	Y. YL. Z. ZL.
89111	Set screw, 8 m/m × 21 m/m, fixing lever to clutch withdrawal fork .....	Y. YL. Z. ZL.
89122	Set screw, 8 m/m × 20 m/m, fixing brake cross-shaft centre bracket .....	Y. YL. Z. ZL.
89744	Washer fitted to pedal shaft (L.H.D.) 30 m/m × 18.5 m/m, thickness 20/10 m/m .....	Y. YL. Z. ZL.
89750	Washer, between pedal and clutch withdrawal lever (L.H.D.) 20 m/m × 10.5 m/m, thickness 35/10 m/m .....	Y. YL. Z. ZL.
89759	Washer for brake control rod pivot pin, 21 m/m × 12.5 m/m, thickness 30/10 m/m .....	Y. YL. Z. ZL.
89776	Packing washer for brake pedal spring (R.H.D.)....	Y. Z.
89822	Washer for fixing brake cross-shaft brackets, 20 m/m × 8.5 m/m, thickness 30/10 m/m.....	YL. Z. ZL.
89840	Washer, 8.5 m/m, thickness 15/10 m/m, for pivot pins .....	Y. YL.
438207	Guide for rear brake cable .....	Y. YL.
490296	Pivot pin fitted to clutch fork withdrawal control lever .....	Y. YL. Z. ZL.

## BRAKES

BRAKE AND CLUTCH PEDAL ASSEMBLY,  
BRAKE CROSS SHAFT AND CABLES

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
490344	Control lever with pivot pin (rivetted on) for clutch withdrawal fork (L.H.D.) .....	Y. YL. Z. ZL.
490345	Control lever with pivot pin (rivetted on) for clutch withdrawal fork (R.H.D.) .....	Y. YL. Z. ZL.
515355	Pivot bolt, 10 m/m × 31 m/m, fixing handbrake control rod (1st type) .....	Y. YL. Z. ZL.
515356	Clevis for brake cross-shaft control rod .....	Y. YL. Z. ZL.
515360	Rod controlling brake cross-shaft .....	YL. ZL.
515379	Rod controlling brake cross-shaft (1st type) .....	Y. Z.
515380	Castellated nut, 10 m/m × 1.5 pitch, fixing handbrake control rod (1st type) .....	Y. YL. Z. ZL.
515387	Clevis on rod controlling handbrake cross-shaft (2nd type) .....	Y. YL. Z. ZL.
515388	Spring for handbrake control rod (2nd type) .....	Y. YL. Z. ZL.
515389	Stop for spring on rod controlling brake cross-shaft (2nd type) .....	Y. YL. Z. ZL.
515392	Pin for rod controlling handbrake brake cross-shaft (2nd type) .....	Y. YL. Z. ZL.
515393	Rod controlling handbrake cross-shaft (2nd type) ..	YL. ZL.
515394	Rod controlling handbrake cross-shaft (2nd type) ..	Y. Z.
515487	Brake cross-shaft with levers and brackets (R.H.D.) .....	Z.
540250	Brake pedal complete, L.H.D. ....	Y. Z.
540251	Clutch pedal complete, L.H.D. ....	Y. Z.
540257	Bronze bush for clutch and brake pedals (L.H.D.) length 22 m/m, bore 18 m/m .....	Y. YL. Z. ZL.
540258	Pedal pad, rubber, for brake and clutch pedals .....	Y. YL. Z. ZL.
540262	Bronze bush for clutch lever, length 28 m/m, bore 18 m/m .....	Y. YL. Z. ZL.
540263	Shaft for clutch and brake pedals, length 8½ in. (216 m/m) diameter ¾ in. (18 m/m) .....	YL. ZL.
540266	Rod controlling brake cross-shaft .....	YL. ZL.
540269	Flexible rod controlling clutch withdrawal (upper) ..	Y. YL. Z. ZL.
540270	Flexible rod controlling clutch withdrawal (lower) ..	Y. YL. Z. ZL.
540273	Trunnion block for clutch withdrawal lever .....	Y. YL. Z. ZL.
540275	Pin for clevis brake control rod (R.H.D. and L.H.D.) and R.H.D. (Light touring car) .....	Y. Z. YL. ZL.
540276	Shaft for clutch and brake pedals, length 9¼ in. (246 m/m) diameter ¾ in. (18 m/m) .....	Y. Z.
540277	Retaining spring on pedal shaft, between clutch pedal and bracket, length 42 m/m, diameter 24 m/m, L.H.D. ....	Y. Z.
540278	Distance piece on pedal shaft, length 52 m/m, bore 18.5 m/m, L.H.D. ....	Y. Z.
540279	Rod controlling brake cross-shaft .....	Y. Z.
540290	Clutch withdrawal lever, bushed, with adjusting lever, on pedal shaft, L.H.D. ....	Y. YL. Z. ZL.
540294	Return spring for clutch and brake pedals, length 72 m/m, diameter 15 m/m. L.H.D. ....	Y. YL. Z. ZL.
540310	Brake pedal complete. L.H.D. ....	YL. ZL.

# BRAKES

# BRAKE AND CLUTCH PEDAL ASSEMBLY, BRAKE CROSS SHAFT AND CABLES

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
540311	Clutch pedal complete. L.H.D. ....	YL.
540313	Distance piece on pedal shaft, length 37 m/m, bore 18.5 m/m. L.H.D. ....	YL. ZL.
540314	Pin for brake control rod and clevis. L.H.D. ....	YL. ZL.
540315	Retaining spring on pedal shaft, between clutch pedal and supporting bracket. L.H.D. ....	YL. ZL.
540322	Clutch pedal complete. R.H.D. ....	Y. YL. Z. ZL.
540327	Distance piece on pedal shaft, length 20 m/m, bore 18.5 m/m. R.H.D. ....	Y. YL. Z. ZL.
540328	Bronze bush for clutch and brake pedals, length 17 m/m, bore 18 m/m. R.H.D. ....	Y. YL. Z. ZL.
540329	Distance spring for brake pedal, length 19 m/m, diameter 24 m/m. R.H.D. ....	Y. YL. Z. ZL.
540331	Distance piece on pedal shaft, sub-chassis side, length 39 m/m, bore 18.5 m/m. R.H.D. ....	Y. YL. Z. ZL.
540332	Rubber stop for clutch and brake pedals. R.H.D. ...	Y. YL. Z. ZL.
540333	Return spring for clutch and brake pedals, length 68 m/m, diameter 17 m/m. R.H.D. ....	Y. YL. Z. ZL.
540334	Brake pedal complete. R.H.D. ....	Y. YL. Z. ZL.
540344	Clutch withdrawal lever, bushed, with adjusting lever, on pedal shaft. R.H.D. ....	Y. YL. Z. ZL.
550281	Half clip fixing front and rear brake cable outer casing to chassis. ....	Y. YL. Z. ZL.
550469	Washer retaining, for brake cross-shaft, diameter 48 m/m, bore 32.5 m/m, thickness 3 m/m ....	YL. Z. ZL.
550471	Trunnion block for brake control levers ....	Y. YL. Z. ZL.
550472	Wing nut, adjusting brake control rod ....	Y. YL. Z. ZL.
550473	Brake cross-shaft with lever. L.H.D. ....	YL. ZL.
550483	Brake cross-shaft with levers and brackets. L.H.D. ...	Y. Z.
550486	Brake cross-shaft with lever. R.H.D. ....	YL. ZL.
550487	Brake cross-shaft with levers and brackets. R.H.D. ...	Y. Z.
550493	Front brake cable complete, overall length 5 ft. 9½ in. ....	YL.
550494	Front brake cable complete, overall length 6 ft. 4 in. ....	Y.
550495	Front brake cable complete, overall length 6 ft. 10¼ in. ....	Z.
550496	Rear brake cable complete, overall length 4 ft. 5½ in. ....	YL.
550497	Rear brake cable complete, overall length 4 ft. 10⅞ in. ....	Y. Z.
550508	Outer casing for front brake cable, length 1 ft. 8⅞ in. ....	YL. ZL.
550509	Outer casing for front brake cable, length 1 ft. 8⅞ in. ....	Y.
550510	Outer casing for front brake cable ....	Z.
550511	Outer casing for rear brake cable, length 2 ft. 1¾ in. ....	YL. ZL.
550512	Outer casing for rear brake cable, length 2 ft. 4 in. ....	Y. Z.

# BRAKES

## BRAKE AND CLUTCH PEDAL ASSEMBLY, BRAKE CROSS SHAFT AND CABLES BRAKE CABLES, BRAKE DRUMS AND BRAKE SHOES

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
550517	Front brake cable complete, overall length 6 ft. 6½ in. ....	ZL.
550519	Trunnion block, upper, for brake control levers....	Y. YL. Z. ZL.
550540	Rear brake cable complete, overall length 4 ft. 5¾ in. ....	ZL.
<p><b>BRAKE AND CLUTCH PEDAL ASSEMBLY, BRAKE CROSS SHAFT AND CABLES — (2nd TYPE)</b></p> <p><i>For 1st type see page 44.</i></p>		
1152	Washer for clutch withdrawal control lever spindle (for type fitted with rods fitted with silent blocs).....	Y. YL. Z. ZL.
88289	Lock nut, 8 m/m × 1.25 pitch, for clutch withdrawal control spindle. ....	Y. YL. Z. ZL.
490289	Control lever on clutch withdrawal fork, L.H.D., 2nd type (for type fitted with rods fitted with silent blocs) .....	Y. Z.
490336	Control lever on clutch withdrawal fork, R.H.D., 2nd type (for type fitted with rods fitted with silent blocs) .....	YL. ZL.
540318	Flexible rod fitted with silent bloc, for clutch withdrawal, 2nd type .....	Y. YL. Z. ZL.
540325	Spindle on clutch withdrawal control lever, 2nd type (for type fitted with rods fitted with silent blocs).....	Y. YL. Z. ZL.
540340	Control lever on clutch withdrawal fork, R.H.D., 2nd type (for type fitted with rods fitted with silent blocs) .....	Y. Z.
600472	Bracket complete for steering column (for fitting with double panelled dashboard).....	Y. YL. Z. ZC.
<p><b>BRAKE CABLES, BRAKE DRUMS AND BRAKE SHOES</b></p>		
120	Nut, 16 m/m × 2.0 pitch, for front and rear brake shoe anchor pin.....	YL. Z. ZL.
1020	Nut, 10 m/m × 1.5 pitch, fixing front brake support plate .....	YL. Z. ZL.
	Also front and rear brake shoe excentrics.....	Y. Z. ZL.
1100	Set screw, 6 m/m × 10 m/m, fixing sheet metal drain plate to front brake support plate.....	YL.
1505	Nut, 8 m/m × 1.25 pitch, for bolt fixing rear brake support plate to rear axle.....	Y. YL. Z. ZL.

# BRAKES

# BRAKE CABLES, BRAKE DRUMS AND BRAKE SHOES

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
1739	Nut for set screws fixing front brake support plate to stub axle.....	Y.
2243	Washer, diameter 20 m/m, bore 8.5 m/m, thickness 15/10 m/m, for brake shoe anchor pins, front and rear .....	Y. YL. Z. ZL.
10529	Set screw fixing drain plate to front brake support plate .....	Y. Z. ZL.
18025	Set screw, 8 m/m × 15 m/m, fixing the brackets for brake cable casing on front and rear brake shoe support plates .....	YL. Z. ZL.
	Also fixing brake cable guide to front and rear brake shoe support plates .....	Y.
62436	Rivet fixing linings to front and rear brake shoes....	Y. Z. ZL.
89089	Spring for brake shoe adjustment nut for front and rear brakes, length 73 m/m, diameter 11 m/m .....	Y. YL. Z. ZL.
89097	Return spring (fitted on cable) for front and rear brake cable, length 116 m/m, diameter 8 m/m..	Y. Z. ZL.
89111	Bolt, 8 m/m × 25 m/m, fixing rear brake support plate to rear axle .....	Y.
89122	Set screw, 8 m/m × 20 m/m, fixing rear brake shoe support plates to rear axle .....	YL. Z. ZL.
89140	Bolt, 10 m/m × 25 m/m, fixing front brake shoe support plate to stub axle.....	Y. YL. Z. ZL.
89713	Rivet fixing linings to front and rear brake shoes....	YL.
89819	Washer, diameter 35 m/m, thickness 4 m/m, for front and rear brake shoe anchor pin.....	Y. YL. Z. ZL.
415221	Brake shoe support plate, with brake shoe guide, strengthening plate and plate for fixing brake cable guide, for rear left-hand brake.....	Y. Z. ZL.
415222	Brake shoe support plate, with brake shoe guide, strengthening plate and plate for fixing brake cable guide, for rear right-hand brake .....	Y. Z. ZL.
415364	Brake shoe support plate, with brake shoe guide, strengthening plate and plate fixing brake cable outer casing, for rear right-hand brake....	YL.
415365	Brake shoe support plate, with brake shoe guide, strengthening plate and plate fixing brake cable outer casing, for rear left-hand brake....	YL.
420313	Brake drum for front and rear (replaces No. 420317) .....	YL.
438106	Bracket for brake cable casing on brake shoe support plate, for front and rear, right or left-hand brakes .....	Y. Z. ZL.
438110	Excentric for front and rear brake shoes .....	Y. Z. ZL.
438111	Adjusting wheel with spindle for front and rear brake shoes .....	YL.
438114	Flexible washer for spindle of front and rear brake shoe adjusting wheel .....	Y. YL. Z. ZL.
438115	Stop for spindle of front and rear brake adjusting	

# BRAKES

# BRAKE CABLES, BRAKE DRUMS AND BRAKE SHOES

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
	wheel .....	Y. YL. Z. ZL.
438154	Cover plate, lined felt, for hole of front and rear brake cable in support plate.....	Y. Z. ZL.
438155	Cup for brake shoe retaining spring on front and rear brakes .....	Y. YL. Z. ZL.
438156	Guide rod for brake shoe retaining spring on front and rear brakes .....	Y. YL. Z. ZL.
438157	Cap for brake shoe retaining spring on front and rear brakes .....	Y. YL. Z. ZL.
438158	Spring, retaining brake shoes, front and rear, on brake shoe support plates, length 26 m/m, diameter 18.3 m/m .....	Y. YL. Z. ZL.
438163	Drain plate for front brake shoe support plate.....	YL.
438172	Spring for anchor pin of front and rear brake shoes (lever side) length 80 m/m, diameter 13.5 m/m..	Y. YL. Z. ZL.
438173	Spring for anchor pin of front and rear brake shoes (side opposite to lever) length 80 m/m, diameter 11 m/m .....	Y. YL. Z. ZL.
438175	Cam lever for front left-hand, and rear right-hand brake shoes .....	YL.
438176	Cam lever for front right-hand, and rear right-hand brake shoes .....	YL.
438177	Bracket for brake cable casing on brake support plate, front left-hand and rear right-hand.....	YL.
438178	Bracket for brake cable casing on brake shoe support plate, front right-hand and rear left-hand .....	YL.
438179	Drain plate for front brake shoe support plate.....	Y. Z. ZL.
438180	Brake shoe (for 10 in. brake) secondary, for front and rear brakes .....	YL.
438181	Brake shoe (for 10 in. brake) primary, for front and rear brakes .....	YL.
438185	Adjusting wheel with spindle for front and rear brake shoes .....	Y. Z. ZL.
438187	Anchor pin with brake shoe guide for front and rear brake .....	YL.
438190	Guide for front brake casing .....	Z. ZL.
438191	Brake shoe support plate with strengthening plate, and plate for fixing brake cable outer casing, front L.H. brake .....	YL.
438192	Brake shoe support plate, with strengthening plate and plate for fixing brake cable outer casing, front R.H. brake .....	YL.
438193	Brake shoe support plate, with strengthening plate and plate for fixing brake cable outer casing, front L.H. brake .....	Y. Z. ZL.
438194	Brake shoe support plate, with strengthening plate and plate for fixing brake cable outer casing, front R.H. brake .....	Y. Z. ZL.
438207	Guide for rear brake casing .....	Z. ZL.

## BRAKES

BRAKE CABLES, BRAKE DRUMS  
AND BRAKE SHOES

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
440127	Adjusting screw for brake shoes, for front and rear brakes, with nuts .....	Y. YL. Z. ZL.
440133	Spring for cam lever, on brake shoe guide, for front and rear brakes .....	Y. YL. Z. ZL.
440163	Locking plate for brake cable clevis on cam lever, for front and rear brakes .....	Y. Z. ZL.
440180	Anchor pin with brake shoe guide, for front and rear brakes .....	Y. Z. ZL.
440181	Distance washer for front and rear brake shoe adjusting wheel .....	Y. Z. ZL.
440189	Cam lever for brake shoes on front left-hand and rear right-hand brake shoes .....	Y. Z. ZL.
440190	Cam lever for brake shoes on front right-hand and rear left-hand brake shoes .....	Y. Z. ZL.
440193	Brake shoe, primary, for front and rear brakes.....	Y. Z. ZL.
440194	Brake shoe, secondary, for front and rear brakes....	Y. Z. ZL.
440195	Guide for brake shoes, front and rear .....	Y. Z. ZL.
442130	Brake drum for front and rear wheels, diameter 12 $\frac{1}{8}$ in. ....	Y. Z. ZL.
550493	Front brake cable complete, overall length 5 ft. 9 $\frac{1}{2}$ in. ....	YL.
550494	Front brake cable complete, overall length 6 ft. 4 in. ....	Y.
550495	Front brake cable complete, overall length 6 ft. 10 $\frac{1}{4}$ in. ....	Z.
550496	Rear brake cable complete, overall length 4 ft. 5 $\frac{1}{8}$ in. ....	YL.
550497	Rear brake cable complete, overall length 4 ft. 10 $\frac{1}{8}$ in. ....	Y. Z.
550508	Outer casing for front brake cable, length 1 ft. 8 in. ....	ZL.
550510	Outer casing for front brake cable .....	Z.
550511	Outer casing for rear brake cable, length 2 ft. 1 $\frac{3}{4}$ in. ....	ZL.
550512	Outer casing for rear brake cable, length 2 ft. 3 $\frac{7}{8}$ in. ....	Z.
550513	Return spring for front and rear brake cable (lever side) length 101 m/m .....	YL. ZL.
550517	Front brake cable complete, overall length 6 ft. 6 $\frac{1}{2}$ in. ....	ZL.
550540	Rear brake cable complete, overall length 4 ft. 5 $\frac{3}{4}$ in. ....	ZL.

# STEERING

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>STEERING</b>		
1020	Nut, 10 m/m × 1.5 pitch, for stud fixing steering box, also for steering box assembly bolts and fixing steering box adjustment conical ring ...	Y. YL. Z. ZL.
1505	Nut, 8 m/m × 1.25 pitch, for bolt fixing fixed steering column clamp, and for bolt fixing steering column bracket to scuttle dash.....	Y. YL. Z. ZL.
2090	C and A washer, 8.5 m/m, for oil filler plug on steering box .....	Y. YL. Z. ZL.
12362	Oil filler plug on steering box .....	Y. YL. Z. ZL.
88066	Lower ring for steering worm thrust bearing.....	Y. YL. Z. ZL.
88067	Thrust bearing for steering worm (fitted with 13 rollers).....	Y. YL. Z. ZL.
88106	Woodruff key fixing steering wheel .....	Y. YL. Z. ZL.
88262	Nut, 22 m/m × 2.0 pitch, fixing steering drop-arm to steering sector .....	Y. YL. Z. ZL.
88264	Nut, 20 m/m × 1.5 pitch, fixing steering wheel to steering column .....	Y. YL. Z. ZL.
88294	Nut, 12 m/m × 1.50 pitch, for screw adjusting upper thrust bearing of steering worm.....	Y. YL. Z. ZL.
88300	Nut, 14 m/m × 1.5 pitch, for steering sector adjustment screw .....	Y. YL. Z. ZL.
88360	Stud, 10 m/m × 38 m/m, fixing steering box to steering box bracket .....	Y. YL. ZL.
88382	Stud, 10 m/m, fixing steering box to steering box bracket .....	Z.
88637	Spring washer for bolt assembling steering box ...	Z. ZL.
88638	Spring washer for bolt fixing steering to chassis side-member .....	YL. ZL.
88639	Spring washer for set screw adjusting steering sector.....	Z. ZL.
88643	Spring washer (22 m/m) for nut fixing steering drop-arm .....	Y. YL. Z. ZL.
88645	Spring washer for nut fixing steering bracket.....	Z. ZL.
89102	Bolt, 8 m/m, for fixed steering column clip (lower)..	Y. YL. Z. ZL.
89196	Bolt, 10 m/m × 1.5 pitch, assembling steering box..	Y. YL. ZL.
89200	Set screw, 6 m/m × 13 m/m, fixing steering box cover .....	Y. YL. Z. ZL.
89209	Bolt, 10 m/m × 1.5 pitch, assembling steering box..	Z.
89213	Bolt fixing steering assembly to chassis side-member.....	Y. YL. Z. ZL.
132356	Bracket for steering column complete .....	Y. YL. Z. ZL.
415503	Washer for bolt fixing steering bracket .....	Z. ZL.
600332	Bush, bronze, bore 28.6 m/m, for steering sector....	Y. YL. ZL.
600336	Packing washer for steering sector .....	Y. YL. ZL.
600348	Excentric rivet for steering box adjustment.....	Y. YL. ZL.
600350	Stud for steering bracket adjustment .....	Y. YL. ZL.
600354	Excentric nut for steering box adjustment.....	Y. YL. ZL.

# STEERING

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
600356	Conical ring for steering box adjustment .....	Y. YL. ZL.
600368	Interior rubber bush (collar) for fixed steering column .....	Y. YL. Z. ZL.
600370	Clip, lower, for fixing fixed steering column.....	Y. YL. Z. ZL.
600372	Set screw, 12 m/m × 36 m/m, for adjusting upper thrust bearing of steering worm .....	Y. YL. Z. ZL.
600374	Set screw, 14 m/m × 1.5 pitch, for steering sector adjustment .....	Y. YL. Z. ZL.
600378	Cork gasket for steering box cover .....	Y. YL. Z. ZL.
600380	Cover (end cap) for steering box.....	Y. YL. Z. ZL.
600396	Washer for cork gasket, between cover of steering box and steering box.....	Y. YL. Z. ZL.
600503	Sleeve (bush) for steering worm .....	Y. YL. ZL.
600545	Steering sector (L.H.D.) length 203.5 m/m .....	Y.
600546	Steering sector (R.H.D.) length 203.5 m/m .....	Y.
600547	Gasket, cork, between steering box and supporting bracket .....	Y. YL. ZL.
600548	Clip cover for fixed steering column .....	Y. YL. Z. ZL.
600557	Excentric rivet for steering box .....	Z.
600558	Stud for adjusting steering box (outer end 10 m/m × 1 m/m pitch, inner end 14 m/m × 1.5 m/m pitch).....	Z.
600561	Sleeve (bush) for steering worm .....	Z.
600564	Bush (bronze) for steering sector, bore 31.7 m/m....	Z.
600565	Packing washer for steering sector .....	Z.
600566	Steering sector (L.H.D.) length 7 <sup>13</sup> / <sub>16</sub> in. (199 m/m)..	Z.
600567	Steering sector (R.H.D.) length 7 <sup>13</sup> / <sub>16</sub> in. (199 m/m)..	Z.
600568	Cork gasket between steering box and steering box bracket .....	Z.
600569	Excentric nut for steering box adjustment.....	Z.
600570	Conical ring for steering box adjustment .....	Z.
600575	Steering box, fitted with studs. L.H.D. ....	Y. YL. ZL.
600576	Steering box, fitted with studs. R.H.D. ....	Y. YL. ZL.
600585	Steering box, fitted with studs. L.H.D. ....	Z.
600586	Steering box, fitted with studs. R.H.D. ....	Z.
600649	Steering sector (L.H.D.) length 183.5 m/m.....	YL. ZL.
600652	Fixed steering column only, length 3 ft. 0 <sup>1</sup> / <sub>8</sub> in. (917.4 m/m) .....	YL.
600660	Steering wheel (with 3 spokes) .....	Y. YL.
600678	Steering sector (R.H.D.) length 183.5 m/m .....	YL. ZL.
600684	Steering worm fitted with column (L.H.D.) overall length of column and worm 3 ft. 6 <sup>1</sup> / <sub>4</sub> in. (1 m 074 m/m).....	YL.
600685	Steering worm fitted with column (R.H.D.) overall length of column and worm 3 ft. 6 <sup>1</sup> / <sub>4</sub> in. (1 m 074 m/m).....	YL.
600686	Steering worm fitted with column (L.H.D.) overall length of column and worm 3 ft. 7 <sup>5</sup> / <sub>8</sub> in. (1 m 110 m/m).....	Y. ZL.

# STEERING

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
600687	Steering worm fitted with column (R.H.D.) overall length of column and worm 3 ft. 7 $\frac{5}{8}$ in. (1 m 110 m/m).....	Y. ZL.
600688	Steering worm with shaft (column) L.H.D. ....	Z.
600689	Steering worm with shaft (column) R.H.D. ....	Z.
600690	Bracket (bushed) fixing steering box to chassis. L.H.D. ....	YL. ZL.
600691	Bracket (bushed) fixing steering box to chassis. L.H.D. ....	Y.
600692	Bracket (bushed) fixing steering box to chassis L.H.D. ....	Z.
600693	Steering drop-arm with ball pin .....	YL.
600694	Steering drop-arm with ball pin .....	Y.
600695	Steering drop-arm with ball pin .....	Z.
600696	Steering drop-arm, offset, with ball pin. (A letter D is stamped on the end of the lever for fitting) .....	YL.
600697	Steering drop-arm, offset, with ball pin. (A letter D is stamped on the end of the lever for fitting) .....	Y.
600698	Steering drop-arm, offset, with ball pin. (A letter D is stamped at the end of the lever for fitting) .....	Z.
600699	Aluminium bracket for accelerator double control lever, fitted on steering column. R.H.D. ....	Y. YL. Z. ZL.
600700	Steering box complete. L.H.D. ....	YL. ZL.
600701	Steering box complete. R.H.D. ....	YL. ZL.
600702	Steering box complete. L.H.D. ....	Y.
600703	Steering box complete. R.H.D. ....	Y.
600704	Steering box complete. L.H.D. ....	Z.
600705	Steering box complete. R.H.D. ....	Z.
600708	Fixed steering column only, length 3 ft. 1 $\frac{5}{8}$ in. (956.5 m/m) .....	Y. ZL.
600709	Fixed steering column only, length 3 ft. 0 $\frac{3}{8}$ in. (932 m/m).....	Z.
600718	Steering wheel .....	Z. ZL.
600721	Bracket (bushed) fixing steering box to chassis (R.H.D.) .....	YL. ZL.
600722	Bracket (bushed) fixing steering box to chassis (R.H.D.) .....	Y.
600723	Bracket (bushed) fixing steering box to chassis (R.H.D.) .....	Z.
600740	Steering drop-arm with ball pin.....	ZL.
600741	Steering drop-arm, offset, with ball pin. (A letter D is stamped at the end of the lever for fitting) .....	ZL.

# CHASSIS

# FRAME, ACCUMULATOR CARRIER, ENGINE FLEXIBLE SUSPENSION

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>FRAME, ACCUMULATOR CARRIER, ENGINE FLEXIBLE SUSPENSION</b>		
1020	Nut, 10 m/m × 1.5 pitch, fixing torque spring . . . .	Y. YL. Z. ZL.
1434	Set screw, 10 m/m, fixing bridge . . . . .	Z. ZL.
1505	Nut, 8 m/m × 1.25 pitch, fixing insulator on front engine cross-member . . . . .	Y. YL. Z. ZL.
	Fixing torque spring, adjustable buffer, accumulator carrier, front, centre and rear running board brackets . . . . .	Z. ZL.
1519	Flat washer for bolts No. 89188 fixing running board brackets, and for bolts No. 18293 fixing accumulator carrier to chassis side-member . . . . .	Y. YL. Z. ZL.
1593	Flat washer for bolts fixing front engine support . . . .	Y. YL. Z. ZL.
1867	Packing washer . . . . .	Y. YL. Z. ZL.
18025	Bolt, 8 m/m × 15 m/m, fixing gearbox support cross-member . . . . .	Y. Z. ZL.
	Also for fixing insulator on front engine cross-member . . . . .	Y. YL. Z. ZL.
	And fixing battery and torque spring insulator . . . . .	ZL.
18191	Bolt, 8 m/m × 30 m/m, fixing front, centre and rear brackets for running board . . . . .	Y. YL. Z. ZL.
18293	Bolt, 8 m/m × 20 m/m, fixing body brackets, also front, centre and rear brackets for running boards and accumulator carrier to chassis side-member . . . . .	Y. YL. Z. ZL.
28833	Castellated nut, 12 m/m × 1.75 pitch, fixing front bumpers . . . . .	Y. YL. Z. ZL.
32435	Set screw, 8 m/m × 45 m/m, fixing brackets for bridge on sub-chassis . . . . .	Y. YL. Z. ZL.
40675	Set screw, 10 m/m × 45 m/m, fixing change speed lever and brake lever bridge . . . . .	Y. YL.
88165	Lock nut, 10 m/m × 1.5 pitch, for stud fixing torque spring . . . . .	Y. YL. Z. ZL.
88289	Lock nut, 8 m/m × 1.25 pitch, fixing accumulator clamp and fixing brackets to sub-chassis side-members . . . . .	Y. YL. Z. ZL.
88289	Lock nut, 8 m/m × 1.25 pitch, for bolt clamping accumulators and for stud fixing torque spring . .	Y. YL. Z. ZL.
88290	Nut, 10 m/m × 1.5 pitch, fixing change speed lever and brake lever bridge . . . . .	Y. YL. Z. ZL.
88295	Lock nut, 12 m/m × 1.75 pitch, fixing insulator on gearbox cross-member support, also fixing front engine cross-member . . . . .	Y. YL. Z. ZL.
88296	Nut, 12 m/m × 1.75 pitch, fixing insulator on gearbox cross-member support . . . . .	Y. YL. Z. ZL.

# CHASSIS

# FRAME, ACCUMULATOR CARRIER, ENGINE FLEXIBLE SUSPENSION

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
88307	Stud, 10 m/m × 1.25 pitch, fixing torque spring . . . .	Z.
88308	Stud, 8 m/m × 1.25 pitch, fixing torque spring . . . .	Z.
88309	Stud, 10 m/m, fixing torque spring . . . . .	Y. YL. ZL.
88310	Stud, 8 m/m, fixing torque spring . . . . .	Y. YL. ZL.
88443	Stud fixing front bumper . . . . .	Y. Z.
88759	Washer for stud fixing bumper . . . . .	Z. ZL.
88840	Washer, flat, for insulator fixings . . . . .	Z. ZL.
88842	Stud fixing front bumper . . . . .	YL. ZL.
88611	Packing washer for running board centre bracket. . . .	ZL.
89102	Set screw, 8 m/m × 50 m/m, fixing adjustable buffer under engine. . . . .	ZL.
89117	Set screw, 12 m/m × 55 m/m, fixing front engine support . . . . .	Y. YL. Z. ZL.
89188	Set screw, 8 m/m × 25 m/m, fixing running board brackets, and brackets on chassis side-member. .	Y. YL. Z. ZL.
89247	Set screw, 8 m/m × 125 m/m, fixing back axle buffer . . . . .	Y.
89265	Set screw, 12 m/m × 16 m/m, fixing insulator to cross-member. . . . .	Y. YL. Z. ZL.
89409	Set screw, 8 m/m × 55 m/m, fixing packing piece for front axle buffer. . . . .	ZL.
89840	Washer, flat, for bolts No. 18293, fixing brackets and for fixing insulator . . . . .	Y. YL. Z. ZL.
114221	Set screw, 8 m/m × 55 m/m, fixing adjustable buffer under engine. . . . .	Y. Z. ZL.
301629	Clamp for accumulator carrier . . . . .	Y. Z. ZL.
301970	Insulated support fixing under flywheel casing base (sheet metal brassed, with rubber). . . . .	Y. YL. Z. ZL.
301971	Insulated support for front of engine (sheet metal brassed, and rubber) . . . . .	Y. YL. Z. ZL.
302291	Bracket, front, for silencer . . . . .	Y. YL. Z. ZL.
302346	Chassis (frame) assembled (without accumulator carrier, running board bracket, brake cross- shaft . . . . .	YL.
302355	Guide for starting handle . . . . .	YL. ZL.
302360	Rear hanger bracket of front spring. L.H. . . . .	YL. ZL.
302361	Rear hanger bracket of front spring. R.H. . . . .	YL. ZL.
302366	Front cross-member, under radiator . . . . .	YL. ZL.
302370	Distance piece for bolt on rear engine cross- member. . . . .	Y. Z.
302371	End bracket for engine support rear cross- member. . . . .	YL. ZL.
302372	Cross-member supporting gearbox . . . . .	Y. YL. Z. ZL.
302374	Side-member, L.H., for sub-chassis . . . . .	YL. ZL.
302375	Side-member, R.H., for sub-chassis . . . . .	YL. ZL.
302376	Centre cross-member complete . . . . .	YL. ZL.
302382	Front hanger bracket of rear spring . . . . .	YL. ZL.
302390	Bracket for running board, rear, R.H. . . . .	YL.
302391	Bracket for running board, rear, L.H. . . . .	YL.
302392	Rear cross-member complete. . . . .	YL. ZL.

# CHASSIS

# FRAME, ACCUMULATOR CARRIER, ENGINE FLEXIBLE SUSPENSION

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
302398	Bracket for running board, front, L.H. ....	YL.
302399	Bracket for running board, front, R.H. ....	YL.
302400	Bracket for running board, centre, L.H. ....	YL.
302401	Bracket for running board, centre, R.H. ....	YL.
302405	Rear hanger bracket of rear spring, bushed. ....	YL. ZL.
302406	Front hanger bracket of front spring, bushed, L.H. ...	YL. ZL.
302407	Front hanger bracket of front spring, bushed, R.H. ...	YL. ZL.
302408	Bracket, L.H., for bridge supporting change-speed lever, L.H.D. ....	YL. ZL.
302409	Bracket, R.H., for bridge supporting change-speed lever, L.H.D. ....	YL. ZL.
302410	Bracket, L.H., for bridge supporting change-speed lever, L.H.D. ....	YL. Z.
302411	Bracket, R.H., for bridge supporting change-speed lever, L.H.D. ....	Y. Z.
302412	Distance piece for bridge supporting change-speed lever. ....	Y. YL.
302413	Distance piece for bridge supporting change-speed lever. ....	Y. YL. Z. ZL.
302414	End bracket for brake ratchet (L.H.D.) ....	Y. YL. Z. ZL.
302415	Bridge supporting change-speed lever. ....	Y. YL. Z. ZL.
302417	Side-member for chassis only, R.H. ....	YL.
302418	Side-member for chassis only, L.H. ....	YL.
302444	Accumulator carrier. ....	YL.
302445	Bolt for accumulator carrier clamp. ....	YL. ZL.
302446	Clamp for accumulator carrier. ....	YL.
302449	Bracket for clutch and brake pedal assembly, L.H. ...	YL. ZL.
302450	Bracket for brake cross-shaft. ....	Y. YL. Z. ZL.
302451	Strengthening piece for brake cross-shaft, R.H. ....	Y. YL. Z. ZL.
302452	Strengthening piece for brake cross-shaft, L.H. ....	Y. YL. Z. ZL.
302453	Bridge for torque spring insulator. ....	YL. ZL.
302456	Clamping plate for torque spring. ....	Y. YL. Z. ZL.
302457	Retaining clip for torque spring leaves. ....	YL.
302458	Insulator (sheet metal brassed and rubber) for torque spring. ....	Y. YL. Z. ZL.
302460	Torque spring, 5 leaves $\times$ 4 m/m thick. ....	Y.
302461	Torque spring, 5 leaves $\times$ 5 m/m thick. ....	Z.
302462	Retaining clip for torque spring leaves. ....	Y.
302463	Retaining clip for torque spring leaves. ....	Z. ZL.
302466	Side-member, L.H., for sub-chassis. ....	Y. Z.
302467	Side-member, R.H., for sub-chassis. ....	Y. Z.
302468	Centre cross-member complete. ....	Z.
302473	Centre cross-member complete. ....	Y.
302476	Front spring hanger of rear spring. ....	Y. Z.
302487	Bracket for trunk and petrol tank, R.H. ....	Y.
302488	Bracket for trunk and petrol tank, L.H. ....	Y.
302489	Bracket for extreme end body fitting (Saloon and Berline) ....	Y. Z.
302490	Rear spring hanger of rear spring, bushed. ....	Y. Z.

# CHASSIS

# FRAME, ACCUMULATOR CARRIER, ENGINE FLEXIBLE SUSPENSION

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
302491	Chassis (frame) assembled (without accumulator carrier, running board brackets and brake cross-shaft)	Y.
302492	Chassis (frame) assembled (without accumulator carrier, running board brackets and brake cross-shaft)	Z.
302495	Bracket for clutch and brake pedal assembly, L.H.	Y. Z.
302505	Side-member, R.H. only, for chassis	Y.
302506	Side-member, L.H. only, for chassis	Y.
302507	Side-member, R.H. only, for chassis	Z.
302508	Side-member, L.H. only, for chassis	Z.
302511	Bracket for rear body fixing	Z. ZL.
302518	Front bracket for petrol tank, R.H.	Z.
302519	Front bracket for petrol tank, L.H.	Z.
302521	Insulator support under gearbox (sheet metal brassed, and rubber)	Y. YL. Z. ZL.
302525	Cover plate for chassis side-member, L.H.	Y.
302526	Cover plate for chassis side-member, R.H.	Y.
302527	Cover plate for chassis side-member, L.H.	Z.
302528	Cover plate for chassis side-member, R.H.	Z.
302529	Cover plate for chassis side-member, L.H.	YL.
302530	Cover plate for chassis side-member, R.H.	YL.
302531	Accumulator carrier	Y. Z.
302533	Bolt for accumulator carrier clamp	Y. Z.
302536	Bracket fixing accumulator carrier to sub-chassis side-member	Y. Z.
302539	Distance piece for fixing bracket	Y. Z.
302549	Bracket for running board, front, L.H.	Z.
302550	Bracket for running board, rear, R.H.	Y. Z.
302551	Bracket for running board, rear, L.H.	Y. Z.
302552	Bracket for running board, centre, R.H.	Y. Z.
302553	Bracket for running board, centre, L.H.	Y. Z.
302554	Bracket for running board, front, R.H.	Y.
302556	Distance piece for right-hand front running board bracket	Z.
302557	Bracket for running board assembly, front, R.H.	Z.
302558	Bracket for running board, front, L.H.	Y.
302582	Bracket, R.H., for bridge supporting change-speed lever (R.H.D.)	YL. ZL.
302583	Bracket, R.H., for bridge supporting change-speed lever (R.H.D.)	Y. Z.
302584	Bracket, L.H., for bridge supporting change-speed lever (R.H.D.)	YL. ZL.
302585	Bracket, L.H., for bridge supporting change-speed lever (R.H.D.)	Y. Z.
302592	Rear bracket for outlet pipe from silencer	Y. YL. Z. ZL.
302593	Rear bracket for silencer	Y. YL. Z.
302602	Strengthening plate for bumper bracket fitting, R.H.	Y. Z.

# CHASSIS

# FRAME, ACCUMULATOR CARRIER, ENGINE FLEXIBLE SUSPENSION

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
302603	Strengthening plate for bumper bracket fitting, L.H. ....	Y. Z.
302619	End plate for brake ratchet (R.H.D.) ....	Y. YL. Z. ZL.
302626	Bracket for raised steering (front) ....	Y. YL. Z. ZL.
302644	Cover plate for chassis side-member. R.H. ....	ZL.
302645	Cover plate for chassis side-member, L.H. ....	ZL.
302650	Chassis (frame) assembled (without accumulator carrier, running board brackets and brake cross-shaft) ....	ZL.
302677	Side-member only, for sub-chassis, R.H. ....	ZL.
302678	Side-member only, for sub-chassis, L.H. ....	ZL.
302683	Rear cross-member, supporting engine ....	YL. ZL.
302686	Undershield for accumulator, complete ....	Y. Z.
302692	Undershield for accumulator, complete ....	YL. ZL.
302693	Bracket for trunk front, R.H. ....	Z.
302694	Bracket for trunk front, L.H. ....	Z.
302775	Distance piece for bridge bracket ....	Z. ZL.
302778	Torque spring, 5 leaves $\times$ 4 m/m thick ....	YL.
302792	Rear cross-member complete for rear tank ....	Y.
302795	Rear bracket for silencer ....	ZL.
302824	Buffer for rear axle, on chassis ....	YL. ZL.
302825	Buffer for rear axle, on chassis ....	Y. Z.
302826	Torque spring, 5 leaves $\times$ 5 m/m thick ....	ZL.
302833	Bracket for running board, centre, R.H. ....	ZL.
302834	Bracket for running board, centre, L.H. ....	ZL.
302835	Bracket for running board, front, R.H. ....	ZL.
302836	Bracket for running board, front, L.H. ....	ZL.
302837	Bracket for running board, rear, R.H. ....	ZL.
302838	Bracket for running board, rear, L.H. ....	ZL.

# CHASSIS

# FRAME, ACCUMULATOR CARRIER, ENGINE FLEXIBLE SUSPENSION

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>FRAME, ACCUMULATOR CARRIER, ENGINE FLEXIBLE SUSPENSION</b>		
302856	Packing piece for rear axle buffer, aluminium. R.H. ....	ZL.
302857	Packing piece for rear axle buffer, aluminium. L.H. ....	ZL.
302874	Accumulator carrier .....	ZL.
302906	Adjustment packing (aluminium) for steering bracket, thickness 3 m/m .....	Z. ZL.
302907	Adjustment packing (aluminium) for steering bracket, thickness 4 m/m .....	Z. ZL.
302959	Bracket for fixing front and centre body pillars....	Y. YL. Z. ZL.
302960	Strengthening plate for front and centre body pillar .....	Y. YL. Z. ZL.
302961	Bracket for fixing rear body pillar, right-hand.....	Y. YL. Z. ZL.
302962	Strengthening plate for rear body pillar.....	Y. Z.
302965	Front bracket for front R.H. wing stay .....	ZL.
302966	Front bracket for front L.H. wing stay .....	ZL.
302967	Rear bracket for front R.H. wing .....	ZL.
302968	Rear bracket for front L.H. wing .....	ZL.
302971	Rear bracket for front L.H. wing stay .....	Y.
302972	Rear bracket for front R.H. wing stay .....	Y.
302973	Rear bracket for front R.H. wing stay .....	Y.
302974	Rear bracket for front L.H. wing stay .....	Y.
302975	Front bracket for front R.H. wing stay .....	Y. Z.
302976	Front bracket for front L.H. wing stay .....	Y. Z.
302979	Rear spring hanger bracket of front spring, left- hand, silent bloc type .....	YL. ZL.
302980	Rear spring hanger bracket of front spring, right- hand, silent bloc type .....	YL. ZL.
302984	Rear spring hanger bracket of front spring, left- hand, silent bloc type .....	Y. Z.
302985	Rear spring hanger bracket of front spring, right- hand, silent bloc type .....	Y. Z.
303045	Bracket for rear of R.H. front wing .....	Z.
303046	Bracket for rear of L.H. front wing .....	Z.
303047	Strengthening plate for rear body pillar, right- hand .....	YL. ZL.
303109	Strengthening plate for rear body pillar, left- hand .....	YL. ZL.
303124	Bracket for pedal stop.....	Y. YL. Z. ZL.
303125	Clip for clutch pedal stop .....	Y. Z. ZL.
329299	Bush for front spring hanger of front spring.....	Y. Z.
329309	Guide for starting handle .....	Y. Z.
329313	Rear spring hanger bracket, right-hand, of front spring .....	Y. Z.
329314	Rear spring hanger bracket, left-hand, of front spring .....	Y. Z.

# CHASSIS

# FRAME, ACCUMULATOR CARRIER, ENGINE FLEXIBLE SUSPENSION BONNET AND DASHBOARD

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
329324	Bridge piece for torque spring insulator .....	Y.
329326	Rear cross-member supporting engine .....	Y. Z.
329327	End bracket for rear cross-member supporting engine .....	Y. Z.
329334	Rear cross-member complete.....	Y. Z.
329335	Front spring hanger bracket of front spring, right-hand, bushed .....	Y. Z.
329336	Front spring hanger bracket of front spring, left-hand, bushed .....	Y. Z.
329337	Front cross-member, under radiator .....	Y. Z.
329338	Adjustable buffer under engine .....	Y. YL. Z. ZL.
352072	Bush for front spring hanger bracket of front spring and for rear spring hanger bracket of rear spring .....	YL. ZL.
352180	Bush for rear spring hanger of rear spring .....	Y. Z.
450767	Front cross-member supporting engine .....	YL. ZL.
450809	Front cross-member supporting engine .....	Y. Z.
515342	Clamp retaining rubber buffer .....	Y. YL. Z. ZL.
515364	Upper rubber for cylinder block buffer .....	Y. YL. Z. ZL.
586710	Bracket, R.H., for rear petrol tank .....	Y.
586711	Bracket, L.H., for rear petrol tank .....	Y.

## BONNET AND DASHBOARD

*For bonnet fasteners see Fittings and Coachwork Catalogue.*

1063	Lock-nut, 7 m/m × 1.0 pitch, for set screw No. 89121 fixing conduit for cables .....	Y.
2183	Set screw, 8 m/m × 20 m/m, fixing fixed floorboard to dashboard .....	Y. YL. Z. ZL.
18025	Set screw, 8 m/m × 15 m/m, fixing lower floorboard to upper floorboard .....	Y. YL. Z. ZL.
18241	Nut fixing turn-button .....	Y. YL. Z. ZL.
62427	Turn-button fixing mats .....	Y. YL. Z. ZL.
89326	Screw, 5 m/m × 15 m/m, fixing brackets for bonnet centre hinges .....	Y. YL. Z. ZL.
113980	Rubber ring for leads (cables) 28 m/m.....	Y. YL.
114827	Rubber ring for leads (cables) 38 m/m.....	Y. YL. Z. ZL.
132369	Dashboard assembly (L.H.D.) .....	YL.
132428	Floorboard, sloping, upper (L.H.D.) .....	Y. Z.
132429	Floorboard, sloping, upper (R.H.D.) .....	Y. Z.
132432	Draught cover plate for steering column (L.H.D.)..	Y. Z.
132433	Draught cover plate for steering column (R.H.D.)..	Y. Z.
132436	Floorboard, sloping, lower, detachable (L.H.D.)....	Y. Z.
132443	Draught cover plate for steering column (L.H.D.)..	YL.
132444	Draught cover plate for steering column (R.H.D.)..	YL.

# CHASSIS

# BONNET AND DASHBOARD

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
132450	Dashboard assembly .....	Y. Z.
132981	Floorboard, sloping, lower, detachable (R.H.D.)....	Y. Z.
132983	Dashboard assembly (R.H.D.) .....	YL.
133042	Rubber rings for leads (cables) .....	Y. YL. Z. ZL.
133067	Floorboard, sloping, upper, fixed (L.H.D.).....	YL. ZL.
133068	Floorboard, sloping, lower, detachable (L.H.D.)....	YL. ZL.
133069	Draught cover plate for steering column (L.H.D.)..	ZL.
133081	Floorboard, sloping, upper, fixed (R.H.D.).....	YL. ZL.
133082	Floorboard, sloping, lower, detachable (R.H.D.)....	YL. ZL.
133083	Draught cover plate for steering column (R.H.D.)..	ZL.
133100	Dashboard assembly .....	ZL.
291652	Stop plate for bonnet ventilator, R.H. side .....	Y. YL. Z. ZL.
291653	Stop plate for bonnet ventilator, L.H. side .....	Y. YL. Z. ZL.
291654	Spring for bonnet ventilator .....	Y. YL. Z. ZL.
291656	Bracket for bonnet centre hinge .....	Y. YL. Z. ZL.
291657	Corner buffers for bonnet (rubber) front R.H. and rear L.H. ....	Y. YL. Z. ZL.
291658	Corner buffers for bonnet (rubber) front L.H. and rear R.H. ....	Y. YL. Z. ZL.
291659	Backing plate for fixing hinge bracket .....	Y. YL. Z. ZL.
291675	Bonnet complete (with 4 hinged ventilators) not painted .....	Y.
291689	Bonnet complete (with 5 hinged ventilators) .....	Z.
292050	Handle for bonnet ventilator (chromium-plated)....	Y. YL. Z. ZL.
292170	Stop for bonnet .....	Y. YL. Z. ZL.
292203	Bonnet complete (with 5 hinged ventilators) .....	ZL.
292217	Bonnet complete (with 4 hinged ventilators) not painted .....	YL.
292265	Shutter (ventilator for bonnet) (hinged) right-hand, with stop-plate .....	Y. YL. Z. ZL.
292266	Shutter (ventilator for bonnet) (hinged) left-hand, with stop-plate .....	Y. YL. Z. ZL.
295502	Stop (rubber) for bonnet ventilator (Rayon IV) ...	Y. YL. Z. ZL.
325078	Handle for bonnet .....	Y. YL. Z. ZL.
325080	Clip (staple) for bonnet fastener .....	Y. YL. Z. ZL.

# CHASSIS

# FREE-WHEEL CONTROL UNDER-TRAY AND SILENCER

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>FREE-WHEEL CONTROL</b>		
2338	Screw, 5 m/m, fixing control cable casing .....	Y. Z. ZL.
3007	Nut, 6 m/m × 1.0 pitch, for set screw fixing cable clip bracket.....	Y. Z. ZL.
3410	Washer, packing, for distance piece .....	Y. Z. ZL.
18051	Nut, 5 m/m, for screw fixing control cable casing .....	Y. Z. ZL.
33470	Set screw, 6 m/m × 1.5 m/m, fixing clip for cable casing .....	Y. Z. ZL.
88250	Nut, 7 m/m × 1.0 pitch, clamping cable .....	Y. Z. ZL.
550474	Control with knob complete for free-wheel (inscription in English) R.H.D.....	Y. Z. ZL.
550477	Bracket for cable clip, fitting on cross-member.....	Y. Z. ZL.
550478	Clamp fixing cable casing to cross-member.....	Y. Z. ZL.
550479	Pin for control cable clamp .....	Y. Z. ZL.
550480	Distance piece for cable clip .....	Y. Z. ZL.
550520	Control with knob complete for free-wheel, L.H.D. ....	Y. Z. ZL.
550525	Control with knob complete for free-wheel, R.H.D. ....	Y. Z. ZL.
<b>UNDER-TRAY AND SILENCER</b>		
386	Set screw, 8 m/m × 25 m/m, fixing clips to rubber plate and to silencer tube .....	Y. YL. Z. ZL.
1505	Nut, 8 m/m × 1.25 pitch, for front and rear exhaust pipe clips, also fixing clips to support plate and to tube .....	Y. YL. Z. ZL.
1519	Flat washer for set screws fixing (rubber) plates to clips .....	Y. YL. Z. ZL.
1735	Set screw, 8 m/m × 40 m/m, fixing clips to front and rear end of silencer .....	Y. YL. Z. ZL.
2183	Set screw, 8 m/m × 20 m/m, fixing plates (rubber) to brackets .....	Y. YL. Z. ZL.
50867	Set screw, 8 m/m × 10 m/m, fixing front under-tray to side under-trays .....	Y. YL. Z. ZL.
88289	Nut, 8 m/m × 1.2 pitch, fixing centre under-tray to side under-tray and fixing plates (rubber) to brackets .....	Y. YL. Z. ZL.
88709	Lock-washer for bolts and nuts of front and rear silencer clips.....	Y. YL. Z. ZL.
88789	Lock-washer, triangular, for exhaust pipe flange....	Y. YL.
89124	Set screw (with slotted head) 8 m/m × 20 m/m, fixing under-trays to chassis side-member....	Y. YL. Z. ZL.
89840	Flat washer for screws fixing under-shields.....	Y. YL. Z. ZL.
113007	Nut (brass) 10 m/m × 1.5 pitch, fixing exhaust pipe flange .....	Y. YL. Z. ZL.
300384	Clip for outlet pipe, on silencer .....	YL. Z. ZL.
302025	Clip for exhaust pipe on silencer .....	Y. YL.

# CHASSIS

# UNDER-TRAY AND SILENCER

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
302285	Insulating plate (rubber and canvas) for silencer fixing	Y. YL. Z. ZL.
302501	Engine under-tray, front end.....	YL.
302502	Engine under-tray, left side .....	YL.
302503	Engine under-tray, right side .....	YL.
302542	Engine under-tray, front end.....	Y.
302543	Engine under-tray, left side .....	Y.
302544	Engine under-tray, right side .....	Y.
302546	Engine under-tray, front (central).....	Z.
302547	Engine under-tray, left side .....	Z.
302548	Engine under-tray, right side .....	Z.
302568	Exhaust outlet pipe (outlet pipe from silencer).....	Z.
302588	C and A washer, triangular, with 3 holes for exhaust pipe flange .....	Y. YL.
302589	Clip for fixing rear end of outlet pipe to chassis....	Z.
302594	Clip fixing silencer to chassis.....	YL. Z. ZL.
302712	Exhaust pipe with triangular flange (3 holes).....	Y.
302713	Silencer complete .....	Y.
302718	Outlet pipe from silencer .....	Y.
302719	Clip for outlet pipe on silencer .....	Y.
302720	Front clip for exhaust pipe .....	Y. YL.
302721	Clip fixing rear end of outlet pipe to chassis.....	Y.
302724	Clip fixing silencer to chassis.....	Y.
302726	C and A washer for exhaust pipe flange .....	Z. ZL.
302729	Exhaust pipe with triangular flange .....	Z.
302730	Lock-washer for exhaust pipe flange .....	Z. ZL.
302731	Clip fixing exhaust pipe to silencer .....	Z. ZL.
302732	Silencer complete (length 3 ft. 4 ins., diameter of inlet 2½ ins.) .....	Z.
302739	Clip fixing exhaust pipe to chassis .....	Z. ZL.
302765	Front half bracket for insulator .....	Y. YL.
302766	Rear half bracket for insulator.....	Y. YL.
302767	Half bracket (asbestos) for exhaust pipe insulation front .....	Z. ZL.
302768	Half bracket (asbestos) for exhaust pipe insulation, rear .....	Z. ZL.
302770	Clip fixing insulator brackets, length 450 m/m.....	Y.
302771	Clip, "P.C." type, length 1 ft. 9¾ ins., fixing asbestos half brackets .....	Z. ZL.
302798	Clip for rear fixing of exhaust outlet pipe .....	ZL.
302799	Exhaust pipe with triangular flange .....	ZL.
302800	Outlet pipe from silencer .....	ZL.
302801	Silencer complete (length 2 ft. 11½ ins., diameter of inlet 2½ ins.) .....	ZL.
302811	Exhaust pipe with (triangular, 3-hole) flange .....	YL.
302813	Silencer complete, "Burgess" type .....	YL.
302814	Outlet pipe for silencer.....	YL.
302816	Clip fixing rear of exhaust outlet pipe to chassis....	YL.
302830	Engine under-tray, front (central).....	ZL.
302831	Engine under-tray, left side .....	ZL.
302832	Engine under-tray, right side .....	ZL.

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>RADIATOR, FITTINGS AND WATER CONNECTIONS</b>		
1020	Nut, 10 m/m × 1.5 pitch, for radiator tie rod . . . . .	Y. YL. Z. ZL.
1505	Nut, 8 m/m × 1.25 pitch, fixing radiator . . . . .	Y. YL. Z. ZL.
88239	Nut, 12 m/m × 1.75 pitch, fixing radiator tie rod . . . . .	Y. YL. Z. ZL.
89822	Washer for radiator fixing . . . . .	Y. YL. Z. ZL.
114214	Clip for radiator connections . . . . .	Y. YL. Z. ZL.
132362	Bracket for radiator tie rod, right-hand . . . . .	Y. YL. Z. ZL.
132363	Bracket for radiator tie rod, left-hand . . . . .	Y. YL. Z. ZL.
292056	Slotted spring washer for radiator cap . . . . .	Y. YL. Z. ZL.
292057	Washer for radiator cap . . . . .	Y. YL. Z. ZL.
292073	Radiator cap complete with thermometer . . . . .	Y. YL. Z. ZL.
329102	Tube (metal) water inlet from radiator to engine. . . . .	Y. YL. Z. ZL.
329104	Water joint (rubber) between water tube and water pump. 40×50×80 m/m . . . . .	Y. YL. Z. ZL.
329133	Water joint (rubber) between radiator and water tube (metal). 40×50×180 m/m . . . . .	Y. YL. Z. ZL.
329188	Water joint (rubber) between radiator and cylinder head. 40×50×240 m/m . . . . .	Y. YL. Z. ZL.
329283	Spring retainer for water joints . . . . .	Y. YL. Z. ZL.
329287	Radiator complete, core 50 m/m thick, shell and stone guard chromium-plated, lower flexible fitting . . . . .	Y.
329288	Radiator complete, core 60 m/m thick, radiator shell and stone guard chromium-plated, with lower flexible fitting . . . . .	Z.
329355	Radiator tie rod . . . . .	YL.
329356	Radiator tie rod . . . . .	Y.
329357	Radiator tie rod . . . . .	Z. ZL.
329358	Lock-washer for radiator tie rod nuts . . . . .	Y. YL. Z. ZL.
329360	Radiator shell with chromium-plated stone guard. . . . .	YL.
329360/01	Radiator shell, badge type, with stone guard, chromium-plated . . . . .	YL.
329361	Radiator block (core) 50 m/m thick . . . . .	Y.
329362	Radiator shell with stone guard, chromium-plated . . . . .	Y. YL. ZL.
329362/01	Radiator shell, badge type, with stone guard, chromium-plated . . . . .	Y. ZL.
329363	Radiator core (60 m/m thick) inclined tubes with copper fins . . . . .	Z.
329364	Radiator shell, chromium-plated, with stone guard. . . . .	Z.
329364/01	Radiator shell with chevron type stone guard, chromium-plated . . . . .	Z.
329366	Overflow pipe . . . . .	Y. YL. Z. ZL.
329370	Radiator complete, core 50 m/m thick, shell and stone guard chromium-plated, lower flexible fitting . . . . .	YL.

# CHASSIS

# RADIATOR, FITTINGS AND WATER CONNECTIONS PETROL FEED AND CONTROL

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
329372	Radiator complete with core 60 m/m thick, shell and stone guard chromium-plated, and lower flexible fitting .....	ZL.
329375	Radiator block (core) 50 m/m thick .....	YL.
329378	Radiator block (core) 60 m/m thick, inclined tubes with copper fins .....	ZL.
329379	Radiator badge (floating swan) complete .....	Y. YL. Z. ZL.
329380	Screw fixing radiator shell to radiator block.....	Y. YL. Z. ZL.
329381	Washer, crinkled, for screw fixing radiator shell to radiator core .....	Y. YL. Z. ZL.
329382	Drain Plug for radiator.....	Y. YL. Z. ZL.
<b>PETROL FEED AND CONTROL</b>		
1020	Nut, 10 m/m × 1.5 pitch, for petrol tank strap and eye bolt .....	Y. ZL.
3031	Screw, 4 m/m × 8 m/m, fixing petrol gauge fitting in petrol tank .....	Y. YL. Z. ZL.
2238	Washer for union screw No. 585110 .....	Y. YL. Z. ZL.
2659	Screw, 5 m/m × 13 m/m, fixing union junction box on chassis side-member and bracket on centre cross-member .....	Y. YL. Z. ZL.
6278	Packing washer, 20 × 7.5 × 2 m/m .....	YL.
18025	Screw (set) 8 m/m × 15 m/m, fixing petrol pump to engine .....	Y. YL. Z. ZL.
18051	Nut, 5 m/m × .75 pitch, fixing bracket on centre cross-member.....	Y. Z. ZL.
32435	Pivot bolt, 8 m/m × 45 m/m, for eye bolt No. 586542.....	ZL.
88250	Nut, 7 m/m × 1 m/m pitch, for tank fixing clip....	YL.
88289	Nut, 8 m/m × 1.25 pitch, for pivot bolt No. 32435.....	ZL.
88290	Lock-nut, 10 m/m × 1.5 pitch, for eye bolt No. 586562.....	ZL.
88961	Union between petrol gauge tank fitting and petrol pipe leading to union junction box on chassis .....	Y. Z. ZL.
88968	Nipple for use in rubber connections .....	Y. YL. Z. ZL.
112798	Gasket (cork or leather) for petrol gauge fitting in rear tank .....	Y. YL. Z. ZL.
115608	Glass bowl for petrol filter .....	Y. YL. Z. ZL.
115609	Gasket, cork, for filter, between petrol bowl and body .....	Y. YL. Z. ZL.
302772	Bracket for petrol tank on rear cross-member.....	ZL.
329067	Clip for petrol filler rubber pipe .....	Y. YL. Z. ZL.
585105	Union nipple, 8 m/m, for petrol pipe.....	Y. YL. Z. ZL.
585106	Union nipple, 6 m/m, for petrol pipe.....	Y. YL. Z. ZL.

# CHASSIS

# PETROL FEED AND CONTROL

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
585107	Nut for union nipple .....	Y. YL. Z. ZL.
585109	Swivel union on carburettor feed pipe (carburettor end) .....	Y. YL. Z. ZL.
585110	Union screw for swivel union No. 585109.....	Y. YL. Z. ZL.
585657	Rubber connection for petrol pipes .....	Y. YL. Z. ZL.
585770	Clip for petrol pipe rubber connections .....	Y. YL. Z. ZL.
585968	Tie rod for petrol tank strap .....	Y. YL. Z. ZL.
586094	Gauze for petrol filter .....	Y. YL. Z. ZL.
586317	Strap, upper, fixing rear petrol tank .....	Y. YL.
586318	Strap, upper, fixing rear petrol tank .....	Z.
586319	Strap, lower, fixing rear petrol tank .....	Y. YL.
586320	Strap, lower, fixing rear petrol tank .....	Z.
586351	Rubber tubing for petrol tank filler, 45 × 54.5 × 240 m/m Saloon body) .....	Y. YL. Z. ZL.
586354	Filler cap for petrol tank .....	Y. YL. Z. ZL.
586381	Petrol pump with lever.....	Y. YL. Z. ZL.
586382	Gasket for petrol pump .....	Y. YL. Z. ZL.
586390	Petrol pipe from pump to carburettor .....	Y. YL. Z. ZL.
586419	Union nut for union junction box, on petrol feed pipe .....	Y. YL. Z. ZL.
586420	Union nut on petrol gauge return pipe on tank fitting .....	Y. YL. Z. ZL.
586421	Union nut on union junction box for petrol return pipe .....	Y. YL. Z. ZL.
586422	Union junction box on side member .....	Y. YL. Z. ZL.
586426	Air pipe from union junction box to petrol gauge dial (copper pipe 2.5 × 1.5 × 1,500 m/m) .....	Y. YL. Z. ZL.
586435	Nipple (double coned) 4 m/m, for petrol line pipe..	Y. YL. Z. ZL.
586438	Pipe (rigid) rear end from union junction box to the petrol gauge fitting in rear tank .....	Y. YL.
586439	Pipe (rigid) rear end from union junction box to the petrol gauge fitting in rear tank .....	Z. ZL.
586440	Pipe (air) from union junction box to petrol gauge fitting in rear tank .....	Y. YL.
586441	Pipe, 4 m/m × 2 m/m, from union junction box to gauge fitting in rear tank .....	Z. ZL.
586442	Pipe from union junction box to filter .....	Y. YL. Z. ZL.
586443	Pipe from pump to junction box.....	Y. YL. Z. ZL.
586444	Pipe from union junction box to petrol gauge fitting in rear tank (Copper pipe 2.5 × 1.5 × 3,000 m/m) .....	Y. YL.
586445	Tube from union junction box on chassis to gauge fitting in rear tank (Copper pipe 2.5 × 1.5 × 2,800 m/m) .....	Z. ZL.
586446	Clips on chassis for petrol pipes .....	Y. Z. ZL.
586488	Rubber tubing for petrol tank filler neck, 45 × 54.5 × 110 m/m (Cabriolet body).....	Y. YL. Z.
586489	Filler neck for rear tank (length 135 m/m, Saloon)..	Y. YL. Z. ZL.
586490	Filler neck for rear tank (length 105 m/m, Cabriolet) .....	Y. YL. Z. ZL.

# CHASSIS

# PETROL FEED AND CONTROL

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
586536	Union nut on union junction box for petrol return pipe .....	Y. YL. Z. ZL.
586538	Nipple (sleeve) at end of copper pipe (2.5×1.5×3,000 m/m) on union junction box end and petrol gauge fitting in tank end .....	Y. YL. Z. ZL.
586539	Nut (union) for copper tube (2.5×1.5×3,000 m/m) on union junction box end and petrol gauge fitting in tank end .....	Y. YL. Z. ZL.
586540	Nipple (sleeve) at end of copper pipe (2.5×1.5×1,500) on union junction box end, and petrol gauge dial end .....	Y. YL. Z. ZL.
586541	Nut (union) for copper pipe (2.5×1.5×1,500 m/m) on union junction box end and petrol gauge dial end .....	Y. YL. Z. ZL.
586551	Sleeving (rubber) 14 m/m × 18 m/m, for petrol pipes .....	Y. YL. Z. ZL.
586562	Eye bolt for petrol tank fixing .....	ZL.
586563	Tubular distance piece for eye bolt .....	ZL.
586606	Strap, lower, fixing rear petrol tank .....	ZL.
586607	Strap, upper, fixing rear petrol tank .....	ZL.
586608	Bracket for petrol tank fixing strap .....	ZL.
586644	Clip for petrol pipe rubber sleeving .....	Y. YL. Z. ZL.
586674	Petrol tank .....	ZL.
586675	Petrol tank .....	Z.
586676	Petrol tank. Approx. 10 gallons .....	Y. YL.
586690	Bracket on chassis side-member for rear petrol tank, R.H. ....	ZL.
586691	Bracket on chassis side-member for rear petrol tank, L.H. ....	ZL.
586692	Bracket for petrol pipes on centre cross-member. ....	Y. YL. Z. ZL.
586695	Air outlet pipe with clamping screw for filler rubber tube (Saloon).....	Y. YL.
586697	Air outlet pipe with clamping screw for filler rubber tube (Cabriolet) .....	Y. YL.
586706	" Nivelux " petrol gauge fitting in petrol tank. ....	Y. YL. Z. ZL.
586760	Union screw fixing for rear petrol tank filler tube. ....	Z. ZL.

# SUSPENSION

# FRONT SUSPENSION

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>FRONT SUSPENSION</b>		
1020	Nut, 10 m/m × 1.5 pitch, for spring centre bolt . . .	Y. YL. Z. ZL.
2190	Castellated nut, 10 m/m × 1.5 pitch, for shackle bolts in spring and shackle plate, 1st type . . .	Y. YL.
	Castellated nut, 10 m/m × 1.5 pitch, for shackle bolts in spring and shackle plate, 1st type . . .	Z. ZL.
28833	Nut, 12 m/m × 1.75 pitch, for spring shackle bolt No. 36625 . . . . .	Y. YL. Z. ZL.
88235	Castellated nut, 14 m/m × 1.5 pitch, for front end shackle bolt and shackle plate . . . . .	Y. YL.
	Also for shackle bolts in spring and shackle plate, 2nd type . . . . .	Z. ZL.
88290	Lock-nut, 10 m/m × 1.5 pitch, for clamping bolts fixing front spring, 1st type . . . . .	YL.
88295	Nut, 12 m/m × 1.75 pitch, clamping U bolts fixing spring . . . . .	Y. YL. Z. ZL.
88296	Lock-nut, 12 m/m × 1.75 pitch, clamping U bolts fixing spring . . . . .	Y. YL. Z. ZL.
88736	Lock-washer for heads of front shackle bolts . . . . .	Y. Z.
88983	Tecalemit greaser for shackle bolts . . . . .	Y. YL. Z. ZL.
302990	Bush (Houdaille) for rear end of front spring main leaf . . . . .	Y. YL. Z. ZL.
302991	Rear shackle bolt for front spring (silent bloc type fitting) (Houdaille bush) . . . . .	Y. YL. Z. ZL.
329283	Positioning cup for jack . . . . .	Y. YL.
329294	Front shackle for front spring complete . . . . .	Y. Z.
329298	Shackle bolt for spring and shackle . . . . .	Y. Z.
329299	Bush for eye of spring main leaf . . . . .	Y. Z.
329302	Spring leaf clip for front of spring . . . . .	Y. Z.
329303	Spring leaf clip for rear of spring . . . . .	Y. Z.
350596	Centre bolt, 10 m/m × 67 m/m, assembling spring leaves . . . . .	Y. Z.
350618	U bolt for front spring to axle, length 98 m/m . . . . .	Y. Z. ZL.
351423	Locking plate for U bolt . . . . .	Y. Z. ZL.
352068	Spring leaf clip for rear of spring . . . . .	YL. ZL.
352069	Spring leaf clip for centre of spring . . . . .	YL. ZL.
352070	Spring leaf clip for front of spring . . . . .	YL. ZL.
352071	Centre bolt, 10 m/m × 50 m/m, assembling spring leaves . . . . .	YL. ZL.
352072	Bush for eye of spring main leaf . . . . .	YL. ZL.
352073	Front shackle of front spring complete. L.H. . . . .	YL. ZL.
352074	Front shackle of front spring complete. R.H. . . . .	YL. ZL.
352079	Lock-washer for heads of front shackle bolts . . . . .	YL. ZL.
352101	Shackle bolt for spring and shackle . . . . .	YL. ZL.
352104	Locking plate for U bolt . . . . .	YL.
352105	Rubber buffer . . . . .	Y. YL. Z. ZL.
352107	U bolt, 10 m/m diameter, fixing front spring to axle, 1st type . . . . .	YL.

SUSPENSION

FRONT SUSPENSION  
FRONT SPRINGS (AND LEAVES)

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
352165	Lock-washer for heads of rear shackle bolts of front spring .....	YL. ZL.
352185	Lock-washer for heads of rear shackle bolts of front spring .....	Y. Z.
352188	Lock-washer for heads of rear shackle bolts of front springs (silent bloc type fitting) .....	Y. YL. Z. ZL.
352270	Packing piece for front spring .....	YL.
352271	Packing piece for front spring .....	Y. ZL.
352276	U bolt, 12 m/m diameter, fixing front spring to axle, 2nd type .....	YL.
352283	Positioning cup for jack .....	Z. ZL.
352333	Packing piece for front spring .....	Z.
<b>FRONT SPRINGS (AND LEAVES)</b>		
302988	Front spring complete (fitted with bush at front end and silent bloc at rear end) 2nd type.....	Y.
302989	Front spring complete (fitted with bush at front end and silent bloc at rear end) 2nd type.....	Z.
302992	Front spring complete (fitted with bush at front end and silent bloc at rear end) 2nd type.....	YL.
302993	Front spring complete (fitted with bush at front end and silent bloc at rear end) 2nd type.....	ZL.
303008	Second leaf for front spring No. 302988 .....	Y.
303009	Third leaf for front spring No. 302988 .....	Y.
303010	Fourth leaf for front spring No. 302988 .....	Y.
303011	Fifth leaf for front spring No. 302988 .....	Y.
303012	Sixth leaf for front spring No. 302988 .....	Y.
303013	Seventh leaf for front spring No. 302988 .....	Y.
303014	Eighth leaf for front spring No. 302988.....	Y.
303015	Ninth leaf for front spring No. 302988 .....	Y.
303016	Tenth leaf for front spring No. 302988 .....	Y.
303017	Main leaf (fitted with bush at front end and silent bloc at rear end) 2nd type, for spring No. 302988.....	Y.
303019	Second leaf for front spring No. 302989, 2nd type..	Z.
303020	Third leaf for front spring No. 302989, 2nd type....	Z.
303021	Fourth leaf for front spring No. 302989, 2nd type..	Z.
303022	Fifth leaf for front spring No. 302989, 2nd type....	Z.
303023	Sixth leaf for front spring No. 302989, 2nd type....	Z.
303024	Seventh leaf for front spring No. 302989, 2nd type..	Z.
303025	Eighth leaf for front spring No. 302989, 2nd type ..	Z.
303026	Ninth leaf for front spring No. 302989, 2nd type....	Z.
303027	Tenth leaf for front spring No. 302989, 2nd type....	Z.

# SUSPENSION

# FRONT SPRINGS (AND LEAVES)

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
303028	Main leaf bushed (supply in addition, 1 shackle bolt No. 302991, 1 nut No. 28833, 1 lock-washer No. 352188 and reamer out bush to 16 m/m.) Used for spring No. 302989, 2nd type and spring No. 329340 1st type .....	Z.
303030	Second leaf for front spring No. 302992, 2nd type..	YL.
303031	Third leaf for front spring No. 302992, 2nd type....	YL.
303032	Fourth leaf for front spring No. 302992, 2nd type..	YL.
303033	Fifth leaf for front spring No. 302992, 2nd type....	YL.
303034	Sixth leaf for front spring No. 302992, 2nd type....	YL.
303035	Seventh leaf for front spring No. 302992, 2nd type..	YL.
303036	Main leaf, fitted with bush at front end, and silent bloc at rear end. 2nd type, front spring No. 302992.....	YL.
303038	Second leaf for front spring No. 302993, 2nd type..	ZL.
303039	Third leaf for front spring No. 302993, 2nd type....	ZL.
303040	Fourth leaf for front spring No. 302993, 2nd type..	ZL.
303041	Fifth leaf for front spring No. 302993, 2nd type....	ZL.
303042	Sixth leaf for front spring No. 302993, 2nd type....	ZL.
303043	Seventh leaf for front spring No. 302993, 2nd type..	ZL.
303044	Main leaf, fitted with bush at front end and silent bloc at rear end for spring No. 302993.....	ZL.
329293	Front spring complete, bushed, 1st type .....	Y.
329340	Front spring complete, bushed, 1st type .....	Z.
329342	Second leaf for front spring No. 329340, 1st type....	Z.
329343	Third leaf for front spring No. 329340, 1st type....	Z.
329344	Fourth leaf for front spring No. 329340, 1st type....	Z.
329345	Fifth leaf for front spring No. 329340, 1st type.....	Z.
329346	Sixth leaf for front spring No. 329340, 1st type.....	Z.
329347	Seventh leaf for front spring No. 329340, 1st type ..	Z.
329348	Eighth leaf for front spring No. 329340, 1st type ..	Z.
329349	Ninth leaf for front spring No. 329340, 1st type....	Z.
329350	Tenth leaf for front spring No. 329340, 1st type....	Z.
	(For main leaf for No. 329340 front spring, see No. 303028)	
352059	Front spring complete, bushed, 1st type .....	YL.
352061	Second leaf for front spring No. 352059, 1st type....	YL.
352062	Third leaf for front spring No. 352059, 1st type....	YL.
352063	Fourth leaf for front spring No. 352059, 1st type....	YL.
352064	Fifth leaf for front spring No. 352059, 1st type.....	YL.
352065	Sixth leaf for front spring No. 352059, 1st type.....	YL.
352066	Seventh leaf for front spring No. 352059, 1st type..	YL.
352067	Main leaf, bushed, for front spring No. 352059, 1st type .....	YL.
352155	Second leaf for front spring No. 329293, 1st type....	Y.
352156	Third leaf for front spring No. 329293, 1st type....	Y.
352157	Fourth leaf for front spring No. 329293, 1st type....	Y.
352158	Fifth leaf for front spring No. 329293, 1st type.....	Y.
352159	Sixth leaf for front spring No. 329293, 1st type.....	Y.
352160	Seventh leaf for front spring No. 329293, 1st type..	Y.

# SUSPENSION

# FRONT SPRINGS (AND LEAVES)

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
352161	Eighth leaf for front spring No. 329293, 1st type....	Y.
352162	Ninth leaf for front spring No. 329293, 1st type....	Y.
352163	Tenth leaf for front spring No. 329293, 1st type....	Y.
352164	Main leaf, bushed, for front spring No. 329292, 1st type .....	Y.
352324	Front spring complete, bushed, 1st type .....	ZL.
352326	Second leaf for front spring No. 352324, 1st type....	ZL.
352327	Third leaf for front spring No. 352324, 1st type....	ZL.
352328	Fourth leaf for front spring No. 352324, 1st type....	ZL.
352329	Fifth leaf for front spring No. 352324, 1st type.....	ZL.
352330	Sixth leaf for front spring No. 352324, 1st type.....	ZL.
352331	Seventh leaf for front spring No. 352324, 1st type..	ZL.
352332	Main leaf, bushed, for front spring No. 352324, 1st type .....	ZL.

# SUSPENSION

# REAR SUSPENSION

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>REAR SUSPENSION</b>		
1020	Nut, 10 m/m × 1.5 pitch, for spring centre bolt....	Y. YL. Z. ZL.
2190	Castellated nut, 10 m/m × 1.5 pitch. For rear spring front and rear shackle bolts ...	YL.
	For rear spring rear shackle bolts .....	Y.
	For rear spring front shackle bolts .....	ZL.
	For rear spring rear shackle bolts (1st type)....	Z. ZL.
28833	Castellated nut, 12 m/m × 1.75 pitch, for front shackle bolt of rear spring .....	Y. Z.
88235	Castellated nut, 14 m/m × 1.5 pitch, for rear shackle bolt for spring and shackle .....	Y. YL.
	And for rear shackle bolts of 2nd type rear spring..	Z. ZL.
88295	Nut, 12 m/m × 1.75 pitch, for U bolt fixing spring to back axle .....	Y. YL. Z. ZL.
88296	Lock nut, 12 m/m × 1.75 pitch, for U bolt fixing spring to back axle .....	Y. YL. Z. ZL.
88983	Tecalemit greaser for rear shackle bolts of rear spring .....	Y. YL. Z. ZL.
111759	Packing piece (fibre) between spring seating and rear spring .....	YL. ZL.
302485	Lock-washer for heads of rear shackle bolts of rear spring .....	Y. Z.
302504	Rear shackle for rear spring .....	Y. Z.
350345	Centre bolt, 10 m/m × 65 m/m, assembling rear spring leaves.....	Y. YL. Z. ZL.
350814	U bolt fixing rear spring to back axle.....	Y. YL. Z. ZL.
352070	Clip, retainer (3 leaves) for rear spring leaves.....	YL. ZL.
352072	Bush for rear eye of rear spring main leaf.....	YL. ZL.
352092	Clip, retainer (5 leaves) for rear spring leaves.....	YL. ZL.
352093	Clip, retainer (7 leaves) for rear spring leaves.....	YL. ZL.
352094	Rear shackle for rear end of rear spring.....	YL. ZL.
352098	Lock-washer for heads of rear shackle bolts of rear spring .....	YL. ZL.
352100	Front shackle bolt of rear spring.....	YL. ZL.
352101	Rear shackle bolt for rear end of spring and rear shackle .....	YL. ZL.
352102	Clamping plate for rear spring .....	YL. ZL.
352103	Lock-washer for head of front shackle bolt of rear spring .....	YL. ZL.
352180	Bush for rear eye of rear spring main leaf.....	Y. Z.
352181	Front shackle bolt of rear spring.....	Y. Z.
352182	Rear shackle bolt for rear end of rear spring and rear shackle .....	Y. Z.
352183	Clip, retainer (4 leaves) for rear spring leaves (Saloon) .....	Y.
352184	Silent bloc for front end of rear spring (16×32×60×66 m/m) .....	Y. Z.
352185	Clamping plate for right-hand rear spring.....	Y. Z.

# SUSPENSION

# REAR SUSPENSION

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
352186	Clamping plate for left-hand rear spring.....	Y. Z.
352187	Packing piece (fibre) between spring seating and rear spring .....	Y. Z.
352188	Lock-washer for head of front shackle bolt of rear spring .....	Y. Z.
352208	Silent bloc for front end of rear spring (14×27×50×54 m/m) .....	YL. ZL.
352215	Clip, retainer (4 leaves) for rear spring leaves (Family car) .....	Y.
	Also for Z type Saloon car .....	Z.
352216	Clip, retainer (4 leaves) for rear spring leaves (Family car) .....	Z.
352283	Positioning cup for jack .....	Y. YL. Z. ZL.

# SUSPENSION

# REAR SPRINGS (AND LEAVES)

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>REAR SPRINGS (AND LEAVES)</b>		
352081	Rear spring complete, fitted with silent bloc at front end and with bush at rear end.....	YL.
352083	Second leaf for rear spring No. 352081 .....	YL.
352084	Third leaf for rear spring No. 352081 .....	YL.
352085	Fourth leaf for rear spring No. 352081 .....	YL.
352086	Fifth leaf for rear spring No. 352081 .....	YL.
352087	Sixth leaf for rear spring No. 352081 .....	YL.
352088	Seventh leaf for rear spring No. 352081 .....	YL.
352089	Eighth leaf for rear spring No. 352081.....	YL.
352090	Ninth leaf for rear spring No. 352081 .....	YL.
352091	Main leaf fitted with silent bloc at front end and bush at rear end for rear spring No. 352081....	YL.
352212	Rear spring complete, fitted with silent bloc at front end and with bush at rear end, for Saloon car.....	Z.
352213	Rear spring complete, fitted with silent bloc at front end and with bush at rear end, for Saloon car.....	Y.
352214	Rear spring complete, fitted with silent bloc at front end and with bush at rear end, for Family car .....	Z.
352218	Second leaf for rear spring No. 352212 .....	Z.
352219	Third leaf for rear spring No. 352212 .....	Z.
352220	Fourth leaf for rear spring No. 352212 .....	Z.
352221	Fifth leaf for rear spring No. 352212 .....	Z.
352222	Sixth leaf for rear spring No. 352212 .....	Z.
352223	Seventh leaf for rear spring No. 352212 .....	Z.
352224	Eighth leaf for rear spring No. 352212.....	Z.
352225	Ninth leaf for rear spring No. 352212 .....	Z.
352226	Main leaf fitted with silent bloc at front end and with bush at rear end for rear spring No. 352212.....	Z.
352228	Second leaf for rear spring No. 352213 .....	Y.
352229	Third leaf for rear spring No. 352213 .....	Y.
352230	Fourth leaf for rear spring No. 352213 .....	Y.
352231	Fifth leaf for rear spring No. 352213 .....	Y.
352232	Sixth leaf for rear spring No. 352213 .....	Y.
352233	Seventh leaf for rear spring No. 352213 .....	Y.
352234	Eighth leaf for rear spring No. 352213 .....	Y.
352235	Ninth leaf for rear spring No. 352213 .....	Y.
352236	Main leaf fitted with silent bloc at front end and with bush at rear end, for rear spring No. 352213.....	Y.
352238	Second leaf for rear spring No. 352214 .....	Z.
352239	Third leaf for rear spring No. 352214 .....	Z.
352240	Fourth leaf for rear spring No. 352214 .....	Z.
352241	Fifth leaf for rear spring No. 352214 .....	Z.

# SUSPENSION

# REAR SPRINGS (AND LEAVES)

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
352242	Sixth leaf for rear spring No. 352214 .....	Z.
352243	Seventh leaf for rear spring No. 352214 .....	Z.
352244	Eighth leaf for rear spring No. 352214 .....	Z.
352245	Ninth leaf for rear spring No. 352214 .....	Z.
352246	Main leaf fitted with silent bloc at front end and with bush at rear end, for rear spring No. 352214.....	Z.
352294	Rear spring complete, fitted with silent bloc at front end and with bush at rear end.....	ZL.
352296	Second leaf for rear spring No. 352294 .....	ZL.
352297	Third leaf for rear spring No. 352294 .....	ZL.
352298	Fourth leaf for rear spring No. 352294 .....	ZL.
352299	Fifth leaf for rear spring No. 352294 .....	ZL.
352300	Sixth leaf for rear spring No. 352294 .....	ZL.
352301	Seventh leaf for rear spring No. 352294 .....	ZL.
352302	Eighth leaf for rear spring No. 352294 .....	ZL.
352303	Ninth leaf for rear spring No. 352294 .....	ZL.
352304	Main leaf fitted with silent bloc at front end and with bush at rear end, for rear spring No. 352294.....	ZL.
352312	Rear spring complete, fitted with silent bloc at front end and bush at rear end, for Family car .....	Y.
352314	Second leaf for rear spring No. 352312 .....	Y.
352315	Third leaf for rear spring No. 352312 .....	Y.
352316	Fourth leaf for rear spring No. 352312 .....	Y.
352317	Fifth leaf for rear spring No. 352312 .....	Y.
352318	Sixth leaf for rear spring No. 352312 .....	Y.
352319	Seventh leaf for rear spring No. 352312 .....	Y.
352320	Eighth leaf for rear spring No. 352312 .....	Y.
352321	Ninth leaf for rear spring No. 352312 .....	Y.
352322	Main leaf fitted with silent bloc at front end and bush at rear end, for rear spring No. 352312....	Y.

# SUSPENSION

# FRONT SHOCK ABSORBER "HOUDAILLE"

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>FRONT SHOCK ABSORBER "HOUDAILLE"</b>		
10299	Lock-washer for lever spindle, also for front axle fitting pin .....	Y. YL. Z. ZL.
88239	Nut, 12 m/m × 1.75 pitch, fixing shock absorber to bracket .....	Y. YL. Z. ZL.
88295	Nut, 12 m/m × 1.75 pitch, fixing shock absorber to front axle .....	Y. YL. Z. ZL.
88681	Lock-washer for nut fixing shock absorber to bracket .....	Y. YL. Z. ZL.
88767	Lock-washer for nut fixing shock absorber to front axle .....	YL.
89213	Bolt, 12 m/m × 35 m/m, fixing shock absorber to bracket .....	Y. YL. Z. ZL.
352145	Nut on lever spindle .....	Y. YL. Z. ZL.
352191	Front right-hand shock absorber complete, A.T. type, fitted with cranked lever, $4\frac{15}{16}$ ins. (125 m/m long) pin with plain end, lock-washer and nut .....	Y. YL. Z. ZL.
352192	Front left-hand shock absorber complete, A.T. type, fitted with cranked lever, $4\frac{15}{16}$ ins. (125 m/m long) pin with plain end, lock-washer and nut .....	Y. YL. Z. ZL.
352193	Bracket fixing shock absorber to chassis. R.H. ...	Y. Z.
352196	Bracket fixing shock absorber to chassis. L.H. ...	Y. Z.
352249	Bracket fixing shock absorber to chassis. R.H. ...	YL. ZL.
352252	Bracket fixing shock absorber to chassis. L.H. ...	YL. ZL.
352265	Connecting rod, length $6\frac{11}{16}$ ins. (170 m/m) fitted with spindle .....	YL.
352272	Connecting rod, length $7\frac{3}{8}$ ins. (200 m/m) fitted with spindle No. 352274 (distance between rubber bush and start of cone, 6.5 m/m) .....	Y. Z.
352309	Connecting rod, length $7\frac{3}{8}$ ins. (200 m/m) fitted with spindle No. 352267 (distance between rubber bush and start of cone, 14.5 m/m) ....	ZL.

# SUSPENSION

# REAR SHOCK ABSORBER " HOUDAILLE "

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>REAR SHOCK ABSORBER " HOUDAILLE "</b>		
10299	Lock-washer on lever spindle .....	Y. YL. Z. ZL.
88239	Nut, 12 m/m × 1.75 pitch, fixing shock absorber to bracket .....	Y. YL. Z. ZL.
88295	Nut, 12 m/m × 1.75 pitch, fixing shock absorber connecting rod pivot pin to rear spring .....	Y. YL. Z. ZL.
88681	Lock-washer for nut fixing shock absorber to bracket .....	Y. YL. Z. ZL.
88767	Lock-washer for nut fixing shock absorber to rear spring .....	Y. YL. Z. ZL.
89218	Bolt, 12 m/m × 40 m/m, fixing shock absorber to bracket .....	Y. YL. Z. ZL.
351163	Pivot pin fixing shock absorber connecting rod to spring .....	Z.
352145	Nut on lever spindle .....	Y. YL. Z. ZL.
352147	Pivot pin fixing shock absorber connecting rod to spring .....	Y. YL. ZL.
352201	Rear shock absorber, R.H., type A.T., fitted with curved lever, length 10¼ ins. (260 m/m) pivot pin with plain shank, lock-washer and nut....	Y. YL. Z. ZL.
352202	Rear shock absorber, L.H., type A.T., fitted with curved lever, length 10¼ ins. (260 m/m) pivot pin with plain shank, lock-washer and nut....	Y. YL. Z. ZL.
352204	Packing piece .....	Y. Z.
352205	Bracket for rear shock absorber. R.H. ....	Y. Z.
352206	Bracket for rear shock absorber. L.H. ....	Y. Z.
352255	Connecting rod, length 6 <sup>11</sup> / <sub>16</sub> ins. (170 m/m) fitted with HL. bush .....	Y. YL. Z. ZL.
352256	Bracket for rear shock absorber. R.H. ....	YL. ZL.
352259	Bracket for rear shock absorber. L.H. ....	YL. ZL.
352262	Packing washer between spring and connecting rod .....	YL. ZL.

## ELECTRICAL

HORNS, ACCUMULATOR, BATTERY  
CABLES

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>HORNS</b>		
703081	Electric horn, flat type " Klaxon " with centre fitting, low note .....	Y. YL. Z. ZL.
703082	Electric horn, flat type " Lavalette-Bosch," with centre fitting, low note .....	Y. YL. Z. ZL.
703090	Electric horn, flat type " Klaxon " with centre fitting, high note .....	Y. YL. Z. ZL.
703091	Electric horn, flat type " Lavalette-Bosch " with centre fitting, high note .....	Y. YL. Z. ZL.
703098	Front cap with badge for electric horn (grille).....	Y. YL. Z. ZL.
703098/01	Front cap for " Klaxon " horn, four-screw fixing, with badge soldered on.....	Y. YL. Z. ZL.
703098/02	Front cap for " Lavalette " horn, four-screw fixing, with badge screwed on with two screws..	Y. YL. Z. ZL.
703099	Badge for front cap of horn, two-screw fixing.....	Y. YL. Z. ZL.
<b>ACCUMULATOR</b>		
711038	90 A.H. accumulator, dry .....	Y. Z. ZL.
711180	75 A.H. accumulator, dry .....	YL.
<b>BATTERY CABLES</b>		
714517	Battery cable (+) length 3 ft. 3 $\frac{3}{8}$ ins., circumference 20.2 m/m, battery to starter .....	YL.
714518	Battery cable (-) length 1 ft. 3 $\frac{3}{8}$ ins., circumference 20 m/m, battery to earth.....	YL.
715542	Battery cable (+) length 3 ft. 5 $\frac{1}{4}$ ins., circumference 40.2 m/m, battery to starter .....	Y. Z. ZL.
715543	Battery cable (-) length 1 ft. 1 $\frac{3}{4}$ ins., circumference 40.2 m/m, from battery to earth .....	Y. Z.
715544	Also from battery to dynamo charging stop switch..	Y. Z.
	Cable from dynamo charging stop switch to earth..	Z.

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
FITTINGS—VARIOUS		
3645	U bolt (staple) fixing junction box .....	Y. YL. Z. ZL.
3684	Bowden cable clip .....	Y. YL. Z. ZL.
3864	Terminal, 8 m/m .....	Y. YL. Z. ZL.
13067	Terminal, 5 m/m, for head lamp cable .....	Y. YL. Z. ZL.
18050	Nut for U bolt (staple) fixing junction box .....	Y. YL. Z. ZL.
113980	Rubber ring, diameter 28 m/m, conduit for cable leads .....	Y. YL. Z. ZL.
114827	Rubber ring, diameter 38 m/m, conduit for cable leads .....	Y. YL. Z. ZL.
586446	Clip for cables .....	Y. YL. Z. ZL.
710008	Junction box, 2 terminals .....	Y. YL. Z. ZL.
710010	Rubber plug for leads fitted through dashboard....	Y. YL. Z. ZL.
710017	Junction box, 4 terminals .....	Y. YL. Z. ZL.
710027	Junction box, 3 terminals .....	Y. YL. Z. ZL.
710035	Special terminal for lamp holder.....	Y. YL. Z. ZL.
711022	Ebonite terminal .....	Y. YL. Z. ZL.
711028	Clip for conical (+) battery terminal on 75 A.H. accumulator .....	YL.
711029	Clip for conical (—) battery terminal on 75 A.H. accumulator .....	YL.
711036	Clip for conical (+) battery terminal on 90 A.H. accumulator .....	Y. Z. ZL.
711037	Clip for conical (—) battery terminal on 90 A.H. accumulator .....	Y. Z. ZL.
712124	Dynamo charging stop switch .....	Y. Z.

# ELECTRICAL

# LIGHTING SWITCH AND ELECTRIC HORN CONTROL

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>LIGHTING SWITCH AND ELECTRIC HORN CONTROL</b>		
2102	Nut fixing central sleeve.....	Y. YL. Z. ZL.
3031	Screw fixing control to flange.....	Y. YL. Z. ZL.
4608	Case for switch with stop.....	Y. YL. Z. ZL.
4618	Movable (floating) switch base.....	Y. YL. Z. ZL.
4623	Moving ring complete (coupling for switch base)...	Y. YL. Z. ZL.
4627	Cup (floating) for switch spring.....	Y. YL. Z. ZL.
4628	Packing (thrust) washer for spring.....	Y. YL. Z. ZL.
4629	Spring for switch.....	Y. YL. Z. ZL.
4634	Clip fixing switch control tube.....	Y. YL. Z. ZL.
4655	Centre guide socket for low note electric press- button.....	Y. YL. Z. ZL.
4656	Spring for centre contact control.....	Y. YL. Z. ZL.
4658	Ring for outer contact of high note electric horn....	Y. YL. Z. ZL.
4661	Locking ring for horn switch press-button.....	Z. ZL.
4665	Terminal for earth cable.....	Y. YL. Z. ZL.
4668	Spring for centre contact.....	Y. YL. Z. ZL.
14814	Screw fixing clip on switch control tube.....	Y. YL. Z. ZL.
18200	Screw fixing clip for guide tube.....	Y. YL. Z. ZL.
33274	Nut for screw fixing clip for guide tube.....	Y. YL. Z. ZL.
89534	Screw fixing contact ring and contact blade.....	Y. YL. Z. ZL.
89553	Screw fixing aligning collar (ring).....	Y. YL. Z. ZL.
600284	Washer, upper, adjusting, for steering wheel fixing nut on steering column.....	Y. YL. Z. ZL.
600388	Expanding bush for centre and base of switch control tube.....	Y. YL. Z. ZL.
600476	Expanding bush, upper, for switch control tube....	Y. YL. Z. ZL.
600724	Tube for fixed dial with dial and recessed washer....	Y. Z. ZL.
600725	Tube for fixed dial with dial and recessed washer....	YL.
703048	Spring with contacts for outer ring.....	Y. YL. Z. ZL.
703062	Lower clip fixing lighting switch control tube.....	Y. YL. Z. ZL.
703063	Switch ring for lighting switch control on steering wheel (Bakelite).....	Y. YL. Z. ZL.
703065	Horn switch press-button for low note horn with control rod.....	Y. YL. Z. ZL.
703067	Switch ring (Bakelite) for high note electric horn....	Y. YL. Z. ZL.
704006	Clip aligning switch casing, below steering box....	Y. YL. Z. ZL.
704014	Switch base fixed, assembly.....	Y. YL. Z. ZL.
704015	Lighting switch at base of steering column assembly.....	Y. YL. Z. ZL.
704041	Press-button assembly complete, before fitting to the tube.....	Y. YL. Z. ZL.
704047	Switch control tube with flange.....	YL.
704049	Switch control tube with flange.....	Y. Z. ZL.
715501	Cable (Single 10/10, red covered) for low note electric horn.....	Y. YL. Z. ZL.
715502	Cable (Single 12/10, yellow covered) for high note electric horn.....	Y. YL. Z. ZL.

# ELECTRICAL

## STARTER MOTOR CONTROL STARTER CARBURETTOR CONTROL SELF-STARTER, DRIVING GEAR AND SWITCH

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>STARTER MOTOR CONTROL</b>		
2659	Bolt clamping outer cable .....	Y. YL. Z. ZL.
585698	Clip fixing outer cable, short .....	Y. YL. Z. ZL.
585719	Half clip for outer cable bracket, long .....	Y. YL. Z. ZL.
586515	Control knob complete for starter (inscription in French) .....	Y. YL. Z. ZL.
586516	Control knob complete for starter (inscription in English) .....	Y. YL. Z. ZL.
710049	Clip for cable .....	Y. YL. Z. ZL.
<b>STARTER CARBURETTOR CONTROL</b>		
586522	Control knob complete for starter carburettor (inscription in French) .....	Y. YL. Z. ZL.
586523	Control knob complete for starter carburettor (inscription in English) .....	Y. YL. Z. ZL.
<b>SELF-STARTER, DRIVING GEAR AND SWITCH</b>		
2386	Nut for screw No. 89114, clamping switch control lever .....	Y. YL. Z. ZL.
2394	Screw fixing front housing of starter motor .....	Y. YL. Z. ZL.
3031	Screw for brush lead .....	Y. YL. Z. ZL.
3420	Nut (brass) for starter terminal and switch .....	Y. YL. Z. ZL.
3421	Brass washer for switch terminal .....	Y. YL. Z. ZL.
3431	Washer, insulating, for terminal on switch .....	Y. YL. Z. ZL.
12648	Nut, steel, for starter terminal .....	Y. YL.
14876	Insulating tube for switch and starter terminal .....	Y. YL. Z. ZL.
18040	Screw fixing dust cover strap .....	Y. YL. Z. ZL.
18178	Screw fixing pole shoes .....	Y. YL. Z. ZL.
30189	Woodruff key .....	Y. YL. Z. ZL.
33274	Nut for screw fixing dust cover strap .....	Y. YL. Z. ZL.
88289	Nut, steel, for starter terminal .....	Z. ZL.
88958	Greaser for end shield commutator end .....	Y. YL. Z. ZL.
89037	Spring for Bendix pinion stop (guide) .....	Y. YL. Z. ZL.
89060	Driving spring for starter .....	Y. YL. Z. ZL.
89114	Screw fixing switch control lever .....	Y. YL. Z. ZL.
89241	Bolt, 12 m/m × 20.5 m/m, for Bendix excentric sleeve (with 6 m/m end) .....	Y. YL. Z. ZL.
89242	Bolt, 12 m/m × 15.5 m/m, for Bendix screwed sleeve .....	Y. YL. Z. ZL.
89273	Bolt, 12 m/m × 20.5 m/m, for excentric sleeve (with 4 m/m end) .....	Z. ZL.
89591	Screw fixing cable to switch control toggle (swivel clip) .....	Y. YL. Z. ZL.
89760	Thrust washer for armature (commutator end) .....	Y. YL. Z. ZL.
89770	Thrust washer for armature (Bendix drive end) .....	Y. YL. Z. ZL.
89820	Washer (8.5 × 17 × 0.5 m/m) for starter terminal ...	Y. YL. Z. ZL.

## ELECTRICAL

SELF-STARTER, DRIVING GEAR  
AND SWITCH

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
700253	Brush holder, negative .....	Y. YL. Z. ZL.
701006	Bendix drive complete with bolt for 6 m/m end....	Y. YL. Z. ZL.
701026	Sleeve (floating) for Bendix .....	Y. YL. Z. ZL.
701029	Stop (guide) for Bendix pinion .....	Y. YL. Z. ZL.
701030	Lock-washer (under head of bolts fixing Bendix spring).....	Y. YL. Z. ZL.
701033	Insulating piece for positive brush holder .....	Y. YL. Z. ZL.
701038	Insulating bush for rivet fixing brush holder .....	Y. YL. Z. ZL.
701039	Insulating washer for rivet fixing brush holder ....	Y. YL. Z. ZL.
701043	Spring for brush .....	Y. YL. Z. ZL.
701063	End shield, commutator end only, 2nd type, drilled for fitting 4 brush holders .....	Y. YL. Z. ZL.
701076	Terminal only, on starter .....	Y. YL. Z. ZL.
701080	Stud, 12 m/m × 23.5 m/m, fixing end shield.....	Y. YL. Z. ZL.
701083	Bush (graphited bronze) for starter end fixing housing .....	Y. YL. Z. ZL.
701103	Excentric sleeve for Bendix .....	Y. YL. Z. ZL.
701104	Sleeve, screwed, for Bendix .....	Y. YL. Z. ZL.
701105	Thrust nut for Bendix .....	Y. YL. Z. ZL.
701107	Bendix pinion, 10 teeth, with balance weight .....	Y. YL. Z. ZL.
701123	Pole shoes .....	Y. YL. Z. ZL.
701124	Field coils, set of 4 (2nd type).....	Y. YL. Z. ZL.
701135	Armature complete (23 slots) for use with set screw with 6 m/m end .....	Y. YL. Z. ZL.
701146	Front housing for fixing starter motor with graphited bush .....	Y. YL. Z. ZL.
701158	Starter complete with switch (chromium-plated) ...	Z. ZL.
701159	Starter complete with switch (painted) .....	Y. YL.
701163	Brush holder, positive.....	Y. YL. Z. ZL.
701164	Brush, positive .....	Y. YL. Z. ZL.
701165	Brush, negative .....	Y. YL. Z. ZL.
701176	Insulating washer (8.5×20×2 m/m) for starter terminal .....	Y. YL. Z. ZL.
701177	Dust cover( strap) for end shield .....	Y. YL. Z. ZL.
701178	End shield only, 1st type, drilled for fitting 2 brush holders .....	Y. YL.
701183	Field coils, set of 2 (1st type) .....	Y. YL.
701189	Bendix drive complete with bolt with 4 m/m end....	Y. YL. Z. ZL.
701197	Armature complete, suitable for use with Bendix bolt with 4 m/m end .....	Y. YL. Z. ZL.
710028	Screw fixing switch to starter .....	Y. YL. Z. ZL.
712035	Tubular spindle for starter switch cam .....	Z. ZL.
712037	Terminal only, for switch .....	Y. YL. Z. ZL.
712039	Insulator for terminal on switch .....	Y. YL. Z. ZL.
712042	Packing piece (insulating) under switch casing ....	Y. YL. Z. ZL.
712068	Contact blade, for switch, with contact point fitted..	Y. YL. Z. ZL.
712069	Casing for switch with input terminal and control..	Y. YL. Z. ZL.
712070	Control lever for switch, with toggle (clip) fitted....	Y. YL. Z. ZL.
712075	Spindle with cam for starter switch .....	Y. YL. Z. ZL.
712097	Cam for starter switch .....	Z. ZL.

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ELECTRICAL

IGNITION DISTRIBUTOR—R.B. TYPE

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>IGNITION DISTRIBUTOR— R.B. TYPE</b>		
1023	Nut for bolt of clip fixing distributor .....	Y. YL.
1554	Bolt for clip fixing distributor .....	Y. YL.
89134	Set screw fixing distributor clip to cylinder head....	Y. YL.
586475	Clip for distributor, variable ignition type, complete with control cable clamp.....	Y. YL. Z. ZL.
709123	Oiler for distributor .....	Y. YL. Z. ZL.
709124	Spring clip for distributor oiler .....	Y. YL. Z. ZL.
709132	Body of distributor .....	Y. YL. Z. ZL.
709134	Distributor head cap .....	Y. YL.
709135	Carbon brush in distributor head .....	Y. YL. Z. ZL.
709136	Rotary brush holder for distributor .....	Y. YL. Z. ZL.
709139	Contact breaker plate for distributor .....	Y. YL. Z. ZL.
709140	Bracket with contact point .....	Y. YL. Z. ZL.
709141	Adjusting screw for distributor contact bracket ....	Y. YL. Z. ZL.
709142	Contact breaker arm for distributor .....	Y. YL. Z. ZL.
709143	Spring for contact breaker arm .....	Y. YL. Z. ZL.
709144	Screwed terminal.....	Y. YL. Z. ZL.
709145	Insulating packing for terminal .....	Y. YL. Z. ZL.
709146	Washer, flat, for nut of distributor terminal .....	Y. YL. Z. ZL.
709148	Nut for distributor terminal and coil terminal .....	Y. YL. Z. ZL.
709151	Condenser .....	Y. YL. Z. ZL.
709152	Screw fixing coil to distributor body .....	Y. YL. Z. ZL.
709156	Spring clip for distributor head .....	Y. YL. Z. ZL.
709157	Bracket for distributor head spring clip .....	Y. YL. Z. ZL.
709158	Screw fixing bracket for distributor head spring clip .....	Y. YL. Z. ZL.
709159	Washer, flat, for nut of distributor terminal .....	Y. YL. Z. ZL.
709160	Washer, insulating, for distributor coil terminal ...	Y. YL. Z. ZL.
709164	Distributor head cap .....	Z. ZL.
709216	Distributor complete.....	Z. ZL.
709219	Distributor complete.....	Y. YL.

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
IGNITION DISTRIBUTOR— S.E.V. TYPE		
1023	Nut for bolt of clip fixing distributor .....	Y. YL.
1554	Bolt for clip fixing distributor .....	Y. YL.
89134	Set screw fixing distributor clip .....	Y. YL.
586475	Clip for distributor, variable ignition type, complete with control cable clamp.....	Y. YL. Z. ZL.
709120	Condenser .....	Y. YL. Z. ZL.
709166	Distributor case only .....	Y. YL. Z. ZL.
709167	Cover for lubricator .....	Y. YL. Z. ZL.
709168	Screw fixing condenser .....	Y. YL. Z. ZL.
709169	Insulated lead for condenser .....	Y. YL. Z. ZL.
709171	Contact breaker plate with pin for arm .....	Y. YL. Z. ZL.
709172	Contact breaker arm with spring complete .....	Y. YL. Z. ZL.
709173	Plate for fixed contact .....	Y. YL. Z. ZL.
709174	Screw locking contact breaker plate .....	Y. YL. Z. ZL.
709175	Terminal complete for contact breaker .....	Y. YL. Z. ZL.
709176	Insulating strip for contact breaker spring .....	Y. YL. Z. ZL.
709177	Screw fixing distributor cap.....	Y. YL. Z. ZL.
709178	Rotor complete with contacts .....	Y. YL. Z. ZL.
709179	Spring clip for distributor .....	Y. YL. Z. ZL.
709180	Bracket for distributor spring clip .....	Y. YL. Z. ZL.
709181	Screw fixing distributor spring clip .....	Y. YL. Z. ZL.
709191	Nut for coil terminal.....	Y. YL. Z. ZL.
709192	Body of distributor .....	Y. YL.
709193	Cap for distributor .....	Y. YL.
709196	Body of distributor .....	Z. ZL.
709197	Cap for distributor .....	Z. ZL.
709218	Distributor complete.....	Y. YL.
709220	Distributor complete.....	Z. ZL.

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>IGNITION CIRCUIT</b>		
2158	Washer for sparking plug .....	Y. YL. Z. ZL.
3864	Terminal for cable from coil to distributor .....	Y. YL. Z. ZL.
4388/01	Sparking plug, Champion No. 7 type .....	Y. YL. Z. ZL.
5595	Screw fixing sleeve on coil cable .....	Y. YL. Z. ZL.
13503	Terminal for plug lead .....	Y. YL. Z. ZL.
709119	Ignition coil "S.E.V." 6 volts .....	Y. YL. Z. ZL.
709131	Ignition coil, "R.B." 6 volts .....	Y. YL. Z. ZL.
710005	Rubber ring for plug leads .....	Y. YL. Z. ZL.
711021	Rubber sleeve for H.T. coil lead .....	Y. YL. Z. ZL.
711026	Sleeve (socket) for H.T. coil lead .....	Y. YL. Z. ZL.
712074	Ignition switch plug with knob .....	Y. YL.
712117	Ignition switch complete .....	Y. YL. Z. ZL.
715014	Lead for No. 2 and No. 3 sparking plugs, length 6 $\frac{7}{8}$ ins. with terminal .....	Y. YL.
715021	Lead for No. 1 and No. 4 sparking plugs, length 8 $\frac{5}{8}$ ins. with terminal .....	Y. YL. Z. ZL.
715023	(Also for No. 3, 4, 5, 6 six-cylinder car) Lead for No. 1 and No. 2 sparking plug, length 1 ft. 4 $\frac{1}{2}$ ins. with terminal .....	Z. ZL.
715505	H.T. lead from coil to distributor, length 1 ft. 6 $\frac{1}{8}$ ins. ....	Z. ZL.
715507	L.T. lead 12/10 from coil to distributor, length 14 $\frac{3}{4}$ ins. ....	Y. YL. Z. ZL.
715510	H.T. lead from coil to distributor, length 13 $\frac{3}{8}$ ins...	Y. YL.

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>HAND CONTROL FOR IGNITION</b>		
2659	Bolt, hexagon head, 5 m/m $\times$ .75 pitch, for clamping control cable outer casing .....	Y. YL. Z. ZL.
3007	Nut, 6 m/m, pitch 1.0 m/m, for bolt No. 18024, fixing distributor clip .....	Y. YL. Z. ZL.
4622	Spring for stud No. 586478 .....	Y. YL. Z. ZL.
18024	Bolt, 6 m/m, length 55 m/m, clamping distributor clip .....	Y. YL. Z. ZL.
89591	Screw, 4 m/m $\times$ 8 m/m, clamping cable to distributor clip .....	Y. YL. Z. ZL.
585698	Clip fixing control cable outer casing .....	Y. YL. Z. ZL.
586472	Ignition control complete with knob, cable and outer casing (inscription in French) .....	Y. YL. Z. ZL.
586473	Ignition control complete with knob, cable and outer casing (inscription in English) .....	Y. YL. Z. ZL.
586475	Clip (with lever) for distributor, variable ignition type, complete with control cable clamp .....	Y. YL. Z. ZL.
586478	Stud for distributor clip .....	Y. YL. Z. ZL.
586479	Washer (plain) for spring on stud No. 586478.....	Y. YL. Z. ZL.
586480	Washer (toothed) for spring on stud No. 586478....	Y. YL. Z. ZL.

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>DYNAMO AND CUT-OUT</b>		
3031	Screw, round head, brass, 4 m/m × 8 m/m, fixing brush holders .....	Y. YL. Z. ZL.
4148	Washer for end cap .....	Y. YL. Z. ZL.
5141	Oil baffle .....	Y. YL. Z. ZL.
5154	Thrust ring for armature shaft .....	Y. YL. Z. ZL.
6303A.C.	Ball bearing (deep grooves) for armature shaft (17×47×14) .....	Y. YL. Z. ZL.
18030	Screw fixing cover plate .....	Y. YL. Z. ZL.
18040	Screw clamping dust shield (strap) .....	Y. YL. Z. ZL.
18051	Nut for clamping pin No. 700311 .....	Y. YL. Z. ZL.
18180	Screw fixing dynamo rear end cover .....	Y. YL. Z. ZL.
29665	Bolt clamping dynamo bracket .....	Y. YL. Z. ZL.
30189	Woodruff key .....	Y. YL. Z. ZL.
33274	Nut for screw clamping dust shield (strap) .....	Y. YL. Z. ZL.
33592	Nut fixing dynamo pulley and bracket .....	Y. YL.
88296	Nut fixing dynamo pulley and dynamo bracket ....	Z. ZL.
88439	Stud fixing bracket to dynamo .....	Y. YL. Z. ZL.
88631	Lock-washer for nut fixing bracket to dynamo ....	Y. YL. Z. ZL.
88958	Lubricator .....	Z. ZL.
89327	Screw fixing dynamo end cover .....	Y. YL. Z. ZL.
89422	Screw fixing pole shoes .....	Y. YL. Z. ZL.
89764	Washer for screw fixing brush holder .....	Y. YL. Z. ZL.
700175	Lubricator .....	Y. YL.
700180	Bracket for dynamo .....	Y. YL. Z. ZL.
700220	Lock-washer for nut fixing pulley .....	Y. YL. Z. ZL.
700238	Dynamo end cover, commutator end, complete ....	Y. YL. Z. ZL.
700240	Bush for dynamo end cover commutator end .....	Y. YL. Z. ZL.
700241	Felt washer for end cap washer (No. 4148) .....	Y. YL. Z. ZL.
700249	Main brush + and - .....	Y. YL. Z. ZL.
700250	Field brush .....	Y. YL. Z. ZL.
700253	Brush holder for + and - brushes .....	Y. YL. Z. ZL.
700255	Spring for brush .....	Y. YL. Z. ZL.
700265	Dynamo end cover complete (driving end) .....	Y. YL. Z. ZL.
700266	Dynamo end cover only (driving end) .....	Y. YL. Z. ZL.
700267	Cover plate for bearing (driving end) .....	Y. YL. Z. ZL.
700268	Packing washer for bearing cover plate .....	Y. YL. Z. ZL.
700269	Dynamo pulley (ventilator type) .....	Y. YL. Z. ZL.
700274	Dynamo complete with cut-out (painted) .....	Y. YL.
700275	Dynamo complete (chromium-plated) with cut-out .....	Z. ZL.
700276	Pole shoes .....	Y. YL. Z. ZL.
700290	Armature complete with 23 slots and commutator with 47 segments .....	Y. YL. Z. ZL.
700296	Dust shield (strap) for dynamo end cover .....	Y. YL. Z. ZL.
700304	Commutator with 47 segments .....	Y. YL. Z. ZL.
700310	Adjusting pin .....	Y. YL. Z. ZL.
700311	Clamping pin .....	Y. YL. Z. ZL.

## ELECTRICAL

DYNAMO AND CUT-OUT  
WINDSCREEN WIPER—"VOLIX"  
(Suction Type)

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
700312	Spring for clamping pin .....	Y. YL. Z. ZL.
700328	Field coils, "Shunt" type (set of) .....	Y. YL. Z. ZL.
700329	Field coils, "Compound" type (set of) .....	Y. YL. Z. ZL.
700331	Brush holder for field brush, complete .....	Y. YL. Z. ZL.
700335	Dynamo end cover with bush only, commutator end .....	Y. YL. Z. ZL.
700345	Dynamo complete, with "Lavalette Bosch" output regulator .....	Z. ZL.
700346	Output regulator ("Lavalette Bosch") .....	Z. ZL.
701033	Insulating plate for brush holder .....	Y. YL. Z. ZL.
701038	Insulating bush, 4.2 × 6.5 × 4 m/m .....	Y. YL. Z. ZL.
701039	Insulating washer for brush holder .....	Y. YL. Z. ZL.
702013	Insulating washer, stepped, 4.2 × 6.5 × 1 m/m .....	Y. YL. Z. ZL.
702027	Cover for cut-out .....	Y. YL. Z. ZL.
702028	Cut-out complete .....	Y. YL. Z. ZL.
710028	Screw fixing cut-out .....	Y. YL. Z. ZL.
 WINDSCREEN WIPER—"VOLIX" (Suction Type)  		
3684	Bowden cable clip .....	Y. YL.
88973	Nipple for rubber tube, 4.5 m/m .....	Y. YL.
88974	Union screw for suction pipe .....	Y. YL.
89236	Screw plug for inlet manifold .....	Y. YL.
470089	Rubber tubing .....	Y. YL.
585770	Clip fixing rubber tubing .....	Y. YL.
585829	Bracket fixing rubber tubing to dashboard .....	Y. YL.
586647	Copper tubing, front (manifold end) 3 m/m × 4.5 m/m .....	Y. YL.
586648	Copper tubing, rear (windscreen end) 3 m/m × 4.5 m/m .....	Y. YL.
711098	Blade with rod, for windscreen wiper .....	Y. YL.
711102	Windscreen wiper, "Volix Senior" one brush type, with extended bush with blade, nut and rubber tubing .....	Y. YL.

ELECTRICAL

WINDSCREEN WIPER (Electric Type)  
 REAR LAMP, STOP LAMP AND  
 NUMBER PLATE ON TRUNK

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<p>WINDSCREEN WIPER (Electric Type)</p>		
710047	Clip for windscreen wiper cable, chromium-plated .....	Z. ZL.
711099	Electric windscreen wiper, "Bosch-Lavalette" type, complete with two blades and connecting rod, length 9½ ins. (for light cars, 8 ins.) .....	Z. ZL. Standard, except Cabriolets
711101	Blade with rod for windscreen wiper .....	Z. ZL.
711185	Electric windscreen wiper, "Bosch-Lavalette" type, complete with two blades and connecting rod, length 9½ ins. ....	Z. ZL. Cabriolet only
<p>REAR LAMP, STOP LAMP AND NUMBER PLATE ON TRUNK</p>		
13676	Electric bulb, 6 v. 3 c.p. ....	Y. YL. Z. ZL.
14927	Electric bulb, 6 v. 18 c.p. for stop lamp .....	Y. YL. Z. ZL.
50867	Screw fixing stop lamp switch .....	Y. YL. Z. ZL.
292026	Number plate (celluloid) illuminated type .....	Y. YL. Z. ZL.
292027	Red lamp glass (moulded) .....	Y. YL. Z. ZL.
292028	Green lamp glass (moulded) .....	Y. YL. Z. ZL.
292029	Rubber gasket for illuminated number plate .....	Y. YL. Z. ZL.
292030	Rubber joint for red lamp glass .....	Y. YL. Z. ZL.
292031	Rim with nuts for fitting illuminated number plate on trunk .....	Y. YL. Z. ZL.
292082	Rim for rear lamps .....	Y. YL. Z. ZL.
707045	Electric bulb, festoon type, 6 v. 3 c.p. ....	Y. YL. Z. ZL.
712080	Lever with swivel clip for stop lamp switch .....	Y. YL. Z. ZL.
712119	Control rod for stop lamp switch. L.H.D. ....	Y. YL. Z. ZL.
712120	Switch complete for stop lamp. L.H.D. ....	Y. YL. Z. ZL.
712125	Switch complete for stop lamp. R.H.D. ....	Y. YL. Z. ZL.
712126	Control rod for stop lamp switch. R.H.D. ....	Y. YL. Z. ZL.

## ELECTRICAL

REAR NUMBER PLATE (Illuminated) ON  
WING, FOR CHASSIS WITHOUT TRUNK

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
REAR NUMBER PLATE (Illuminated) ON WING, FOR CHASSIS WITHOUT TRUNK		
13676	Electric bulb, 6 v. 3 c.p. ....	Y. YL. Z. ZL.
14927	Electric bulb, 6 v. 18 c.p., for stop lamp .....	Y. YL. Z. ZL.
50867	Screw fixing stop lamp switch .....	Y. YL. Z. ZL.
291848	Frame (front) for illuminated number plate .....	Y. YL. Z. ZL.
291850	Number plate, transparent (celluloid) .....	Y. YL. Z. ZL.
291855	" Stop " plate .....	Y. YL. Z. ZL.
291866	Rear number plate without bracket .....	Y. YL. Z. ZL.
291933	Bracket (strengthening piece) right-hand, for rear number plate .....	Y. YL. Z. ZL.
291934	Bracket (strengthening piece) left-hand, for rear number plate .....	Y. YL. Z. ZL.
291935	Bracket, L.H., for rear number plate .....	Y. YL. Z. ZL.
291937	Packing rubber for rear number plate .....	Y. YL. Z. ZL.
292022	Bracket for right-hand number plate .....	Y. YL. Z. ZL.
707045	Electric bulb, festoon type, 6 v. 3 c.p. ....	Y. YL. Z. ZL.
707167	Red glass for back lamp .....	Y. YL. Z. ZL.
707168	Glass for stop lamp .....	Y. YL. Z. ZL.
712080	Lever with swivel clip for stop lamp switch .....	Y. YL. Z. ZL.
712119	Control rod for stop lamp switch. L.H.D. ....	Y. YL. Z. ZL.
712120	Switch complete for stop lamp. L.H.D. ....	Y. YL. Z. ZL.
712125	Switch complete for stop lamp. R.H.D. ....	Y. YL. Z. ZL.
712126	Control rod for stop lamp switch. R.H.D. ....	Y. YL. Z. ZL.

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>HEAD LAMPS AND ROOF LAMPS</b>		
13067	Terminal for lamp. . . . .	Y. YL. Z. ZL.
13676	Electric bulb, 6 v. 3 c.p., for roof lamp No. 707116. .	Y. YL. Z. ZL.
706023	Distance piece for head lamp fixing . . . . .	Y. YL. Z. ZL.
706188	"Marchal" head lamp with dimmer bulb, non-glare reflector, diameter 235/240 m/m, enamelled, chromium-plated rim, with fixing nut and washer. L.H.D. . . . .	Y. YL.
706189	"Cibie" head lamp with dimmer, non-glare glass, diameter 235/240 m/m, enamelled, chromium-plated rim, with fixing nut and washer. R.H.D. . . . .	Y. YL.
706190	"B.R.C." head lamp with dimmer, non-glare glass, diameter 235/240 m/m, enamelled, chromium-plated rim, with fixing nut and washer. L.H.D. . . . .	Y. YL.
706194	"Marchal" head lamp, with dimmer, diameter 260 m/m, chromium-plated, non-glare reflector. L.H.D. . . . .	Z.
706195	"Cibie" head lamp, with dimmer, diameter 260 m/m, chromium-plated, non-glare glass. L.H.D. . . . .	Z.
706193	"B.R.C." head lamp, with dimmer, diameter 260 m/m, chromium-plated, non-glare glass. L.H.D. . . . .	Z.
706198	Electric bulb, 6 v. 50 c.p., "Granilux" type, 2 filaments, "Yuel" . . . . .	Y. YL. Z. ZL.
706204	"Marchal" head lamp (no dimmer) non-glare reflector, diameter 235/240, enamelled, rim chromium-plated, with nut and washer. R.H.D. . . . .	Y. YL.
706205	"Cibie" head lamp (no dimmer) diameter 235/240 m/m, non-glare glass, enamelled, rim chromium-plated, with nut and washer. R.H.D. . . . .	Y. YL.
706206	"B.R.C." head lamp (no dimmer) diameter 235/240 m/m, non-glare glass, enamelled, rim chromium-plated, with nut and washer. R.H.D. . . . .	Y. YL.
706207	"Marchal" head lamp (no dimmer) diameter 260 m/m, non-glare reflector, chromium-plated. R.H.D. . . . .	Z.
706208	"Cibie" head lamp (no dimmer) diameter 260 m/m, non-glare glass, chromium-plated. R.H.D. . . . .	Z.
706209	"B.R.C." head lamp (no dimmer) diameter 260 m/m, non-glare glass, chromium-plated. R.H.D. . . . .	Z.

## ELECTRICAL

## HEAD LAMPS AND ROOF LAMPS

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
706210	" Marchal " head lamp (with dimmer) diameter 235/240, non-glare reflector, chromium-plated. L.H.D. ....	ZL.
706211	" Cibie " head lamp (with dimmer) diameter 235/240, non-glare glass, chromium-plated. L.H.D. ....	ZL.
706212	" B.R.C." head lamp (with dimmer) diameter 235/240, non-glare glass, chromium-plated. L.H.D. ....	ZL.
706213	" Marchal " head lamp (no dimmer) diameter 235/240, non-glare reflector, chromium-plated. R.H.D. ....	ZL.
706214	" Cibie " head lamp (no dimmer) diameter 235/240, non-glare glass, chromium-plated. R.H.D. ....	ZL.
706215	" B.R.C." head lamp (no dimmer) diameter 235/240, non-glare glass, chromium-plated. R.H.D. ....	ZL.
707045	Electric bulb for roof lamp, 6 v. 3 c.p. ....	Y. YL. Z. ZL.
707116	Roof lamp, oval type. ....	Y. YL. Z. ZL.
707117	Switch for roof lamp. ....	Y. YL. Z. ZL.
915017	Cable for head lamp, triple 12/10, sold per yard. ....	Z. ZL.
<p>N.B.—THESE TYPES OF LAMPS ARE NOT SUPPLIED WITH CARS BUILT AT SLOUGH, ENGLAND.</p>		

PART NO.	NAME OF PART.	TYPE OF CHASSIS.
<b>ILLUMINATED INSTRUMENT PANEL</b>		
14713	Insulating washer .....	Y. YL. Z. ZL.
706171	Electric bulb, 6 v., special for panel .....	Y. YL. Z. ZL.
716470	Clock for instrument panel .....	Y. YL. Z. ZL.
716471	Ammeter .....	Y. YL. Z. ZL.
716475	Oil pressure gauge .....	Y. YL. Z. ZL.
716559	Bracket for bulb .....	Y. YL. Z. ZL.
716560	Spring fixing central instrument .....	Y. YL. Z. ZL.
716561	Spring fixing side instruments .....	Y. YL. Z. ZL.
716564	Bulb holder complete with spring and washer .....	Y. YL. Z. ZL.
716565	Spring for bulb holder .....	Y. YL. Z. ZL.
716566	"Jaeger" speedometer (needle reading) inscription in French .....	Y. YL. Z. ZL.
716567	"Jaeger" speedometer (needle reading) inscription in English .....	Y. YL. Z. ZL.
716577	Frame for instrument panel .....	Y. YL. Z. ZL.
716578	Gasket for instrument panel frame .....	Y. YL. Z. ZL.
716579	Case for bulbs with non-glare plate and bracket (holder) for bulb .....	Y. YL. Z. ZL.
716612	Screw fixing instrument panel .....	Y.
716635	Prelac petrol level indicator, inscription in French ..	YL.
716639	Nivelux petrol level indicator, inscription in French .....	Y.
716640	Nivex petrol level indicator, inscription in English ..	Y. YL.
716680	Screw fixing instrument panel .....	Z. ZL.
716681	Speedometer driving cable complete, for "Jaeger" speedometer, length 5 ft. 3 ins. ....	Y. Z.
716682	Speedometer driving cable complete, for "Jaeger" speedometer, length 4 ft. 7 ins. ....	YL. ZL.
716683	Nivelux petrol gauge, inscription in French .....	Z. ZL.
716689	Pilot light with red glass fitted .....	Y. YL. Z. ZL.

# TOOLS AND ACCESSORIES

PART NO.	NAME OF PART	TYPE OF CHASSIS.
<b>TOOLS AND ACCESSORIES</b>		
2676	Tyre pump with connection .....	Y. YL. Z. ZL.
3007	Nut for bolt No. 33470, fixing hub covers .....	Y. YL. Z. ZL.
10621	Wheel nut brace .....	Y. YL. Z. ZL.
18069	Screw, 3 m/m, fixing badge to wheel hub embellisher .....	YL.
32662	Nut for screw No. 18069 .....	YL.
33470	Bolts fixing hub cover to wheel .....	Y. YL. Z. ZL.
113086	Hammer .....	Y. YL. Z. ZL.
113088	Screwdriver, " Perfect " pattern .....	Y. YL. Z. ZL.
113090	Pin punch .....	Y. YL. Z. ZL.
113095	Tyre levers (set of two) .....	Y. YL. Z. ZL.
292039	Badge for hub embellisher on spare wheel .....	Y. YL.
390051	Embellisher for hub cover .....	Y. Z.
390067/01	Hub cover. 1st type .....	Y. Z.
390099	Hub cover. 1st type .....	YL.
390104	Embellisher for hub covers. 2nd type .....	Y. YL. Z. ZL.
390110	Hub cover with flat base, diameter 210 m/m, suitable for hub embellisher, diameter 160 m/m, 2nd type .....	Y. Z.
390112	Hub cover with flat base, diameter 190 m/m, suitable for hub embellisher, diameter 160 m/m, 2nd type .....	YL. ZL.
648012	Spanner for tyre valve (Michelin " Vedelet ") .....	Y. YL. Z. ZL.
648100	Hub cap spanner .....	Y. Z.
648103	Pliers .....	Y. YL. Z. ZL.
648109/110	Set of tools complete, including set of tyre repair tools .....	Y. YL. Z. ZL.
648135	D.E. spanner (17×21 m/m) .....	Y. YL. Z. ZL.
648136	Adjustable spanner, 8 $\frac{3}{4}$ ins. .....	Y. YL. Z. ZL.
648137	Adjustable spanner, " Crescent " type .....	Y. YL. Z. ZL.
648141	D.E. spanner (13×16 m/m) .....	Y. YL. Z. ZL.
648193	Tecalemit grease gun with handle .....	Y. YL. Z. ZL.
648206	Starting handle .....	Z. ZL.
648208	Starting handle .....	Y. YL.
648217	Spanner for water pump and head lamp fixing nuts .....	Y. YL. Z. ZL.
648218	Spanner for hub cap .....	YL. ZL.
648219	Jack with folding handle .....	Y. YL. Z. ZL.
648235	Spanner (Rolland type) for sparking plug .....	Y. YL. Z. ZL.

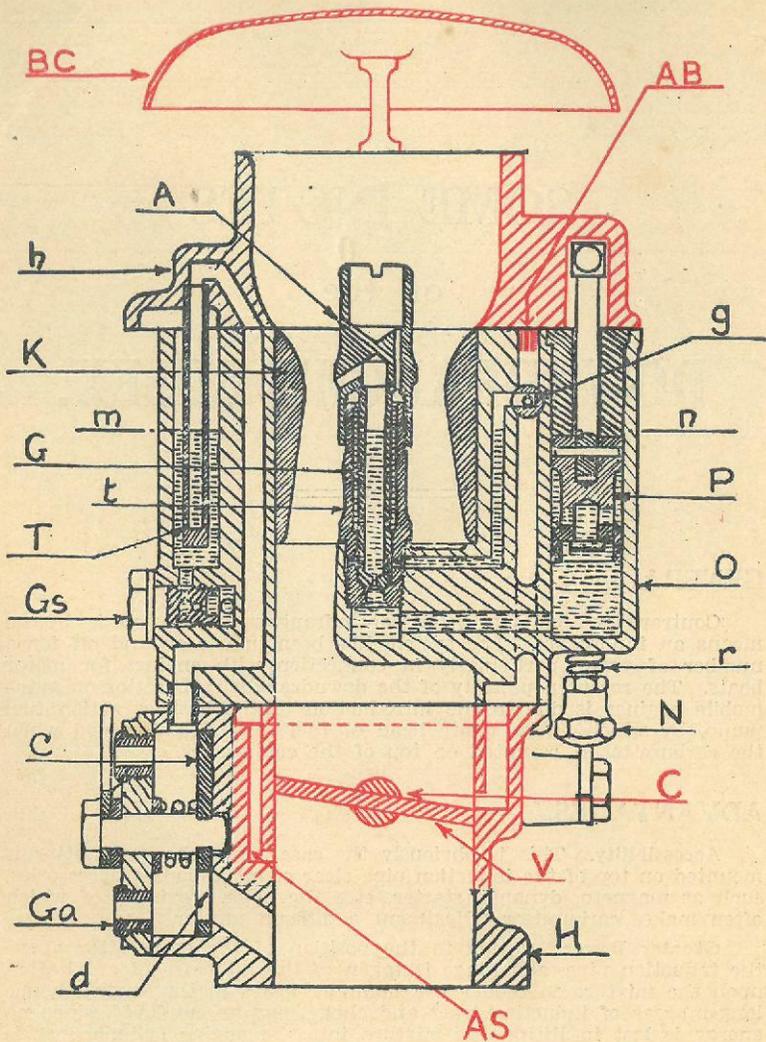


Fig. 2a—Sectioned Details of the Solex Carburettor Type  
I.F. Self-Starting.

A	Jet Cap	h	Float chamber top
AB	Air bleed for idling mixture	BC	Bell cover
AS	Adjustment screw for volume of idling mixture (not shown)	K	Choke Tube
C	Throttle Spindle	N	Pump Tappet Head
c	Starter valve	O	Float chamber
d	Channel for starter valve	P	Piston for pump
G	Main jet	r	Spring for pump
Ga	Starter air jet	T	Starter emulsion tube
Gs	Starter petrol jet	t	Jet stand
g	Auxiliary jet	v	Butterfly
H	Carburettor flange	m-n	Petrol level

# SOME NOTES

on the

## DOWNDRAUGHT SOLEX.

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### GENERAL.

Contrary to common belief, downdraught carburation is by no means an innovation. The system has been in use on and off for a number of years, particularly in connection with engines for motor boats. The recent popularity of the downdraught carburettor on automobile engines is due to the introduction of the positive action fuel pump, by which an adequate head of fuel can be maintained when the carburettor is mounted on top of the engine.

### ADVANTAGES.

**Accessibility.** This is obviously the case, since the carburettor is mounted on top of the induction pipe clear of all intruding accessories, such as magneto, dynamo, starter, etc., the close proximity of which often makes carburettor adjustment a difficult matter.

**Greater Power.** Owing to the position of the carburettor above the induction pipe, advantage is taken of the influence of gravitation upon the mixture to reduce the pumping losses in the engine, hence longer areas of induction tract and choke may be employed, since no energy is lost in lifting the mixture into the engine cylinders, as is the case with the orthodox layout.

### THE GENERAL LAY-OUT OF THE SOLEX DOWNDRAUGHT MODELS

Solex Downdraught carburettors are made in all sizes. All models incorporate the well-known Solex Auxiliary "Self-Starting" device.

In broad details, the design of the carburettor follows closely the Solex practice of main jet and pilot, although constructional requirements have necessitated some alteration in shape of certain parts. Owing to the larger intake areas employed and the consequently lower gas velocities present, an accelerating pump is incorporated to assist acceleration.

## THE ACCELERATOR PUMP.

The pump itself is extremely simple in design and may be said to be the simplest accelerating pump used in any pump type carburettor.

It is composed of a simple piston, bearing a light disc valve at its base and working in a cylinder at the side of the float chamber, with which it is in communication by means of a drilled passage. The pump is operated indirectly by means of a spring-loaded rod, the base of which bears upon an arm attached to the throttle spindle (see Fig. 1 in the instruction book). Thus, when the throttle is opened suddenly the pump discharges only by reason of the light coil spring, Fig. 2, which forces the pump rod downwards. In adjusting the carburettor, it is of the utmost importance that there is clearance to the extent of about 1 m/m. between the nut at the base of the pump rod N. and the accelerating arm on the throttle spindle. Failure to observe this point will result in bad idling, due to the throttle not closing properly.

The system of feeding the fuel from the float chamber to the main jet is worthy of mention, since all fuel feeding the main jet and pilot is taken through the pump piston and its disc valve. Reference to Fig. 2 will reveal that the piston carries a large annular recess or waist upon its outer circumference which communicates by two drilled holes with the orifice upon which the disc valve operates. This waist of the piston is so arranged to register at all portions of its travel with a large orifice in the side of the pump cylinder communicating directly with the fuel in the float chamber, hence when the piston is stationary or on its upward travel fuel passes directly through the waist and disc valve and thence to the main jet. When the throttle is opened quickly, the piston falls under the influence of its spring, and since the area of the metering jet orifice is small compared to the area of the piston, the disc valve closes and the fuel so trapped is ejected through into the main jet. When the piston reaches the end of its working travel the disc valve again falls open, thus permitting the normal fuel flow to recommence.

It will be obvious from the above that the pump functions rather as a displacer than an actual pump, since its action is to accelerate the movement of the fuel stream which is already travelling towards the main jet. In this connection it will be understood that at slow movements of the throttle, as in light driving, the escapement of fuel past the disc valve will be sufficient to prevent the latter from closing, hence little or no pump action will take place.

## THE IDLING SYSTEM.

On these carburettors the idling system differs somewhat to that which obtains on the orthodox type, and even with the downdraught models, two different idling systems may be encountered. Certain changes have recently been made in the design of this instrument, and it must be borne in mind that the sectioned illustration Fig. 2 in the instruction book does not conform, in several details, relative to current design. In all but very minor details the alterations are shown in red on Fig. 2a. In the case of the earlier downdraught models, Fig. 2 in the instruction book, the usual Solex system of idle and

transfer feed was retained, with the exception that the pilot jet g was of different shape. The air screw W bled the mixture to the required strength, which was then fed down to the annular passage, feeding the idle discharge orifice and the by-pass as before.

In the current model, however, the idle system is entirely different. The throttle valve, which has hitherto borne on its edge a boss or lip, is now a plain flat disc. The by-pass is retained, but the idle discharge orifice, which normally registers with the boss on the throttle, is now very much smaller and is located some  $\frac{1}{4}$  inch above the throttle edge when in the closed position.

A radical change also appears in the arrangement for idling mixture control.

The air adjustment screw common to the earlier models is now replaced by a similar screw located on the throttle valve body, the function of which is partly mixture and partly volume control, since the point of the screw operates directly on the inner side of the idle discharge orifice. The air supply for the idling mixture is metered by the air bleed marked AB in the revised sketch. Tuning of the idle is effected by selection of a suitable size of pilot jet, together with adjustment of the idling screw, the air bleed being a fixed size which should not be altered. It should be noted that the effect of the adjustment screw, i.e., screwing inwards, makes the mixture weaker and screwing outwards produces the reverse effect.

## THE MAIN JET SYSTEM.

The main jet system differs from the normal Solex practice only by the shape of the jet cap. There are two types of downdraught jet caps, one of which is illustrated in Fig. 2. In this case, the diffuser air is taken from the inner atmospheric portion of the cap, as shown by the vertical passage in the sketch. The other inclined passage shown is, of course, one of the six discharge orifices by which the fuel is delivered into the air stream. In the case of the more commonly used cap the delivery orifices are as before, but the intake orifice for the diffuser air are located on the outside of the cap some 4 m/m. above those of delivery.

## THE AUXILIARY "SELF-STARTER."

With the exception of the inversion of certain parts, this unit is identical with the standard Solex models. The air jets are located on the starter box as before, but the petrol jet will be found screwed into the base of the float chamber adjacent to the starter well, Fig. 2.

**N.B.**—In the case of small engines—the Singer 9 h.p. Sports, for example—downdraught Solex without pumps will sometimes be found fitted.

The reason for this is that the small choke areas employed eliminate the necessity for the pump to be used.

The method of tuning such carburettors is, however, precisely the same.

