

HOW TO ORDER SPARE PARTS

It is the aim of our Service Department to supply, by return, Spare parts that may be required to keep all Autogardeners constantly at work.

We have found that a great deal of needless delay and correspondence has arisen because of the failure of Autogardener users to supply the information which will enable us to forward the parts required. If the user will refer to the Spare Parts List, page 11, they will have no difficulty in giving details of any parts required, thus ensuring that spares can be despatched without loss of time.

**ALWAYS QUOTE AUTOGARDENER
NUMBER AND MARK (ie. Mk. 1, 2, or 3).**

LEFT-HAND AND RIGHT-HAND POSITIONS

When quoting "left-hand" or "right-hand," position is always taken when the operator is standing between the handles in the normal working manner.

SENDING MACHINE FOR OVERHAUL

If machines are sent for overhaul to our Works, securely label and plainly mark with sender's name and address.

POSTING SAMPLES TO WORKS

In case of doubt, send spares to us for identification, together with sender's name and address (block capitals).

ADVISE WHEN SENDING TO WORKS

Please confirm, under separate cover, when machine or parts have been despatched, so that in case of non-delivery, same may be traced.

IMPORTANT

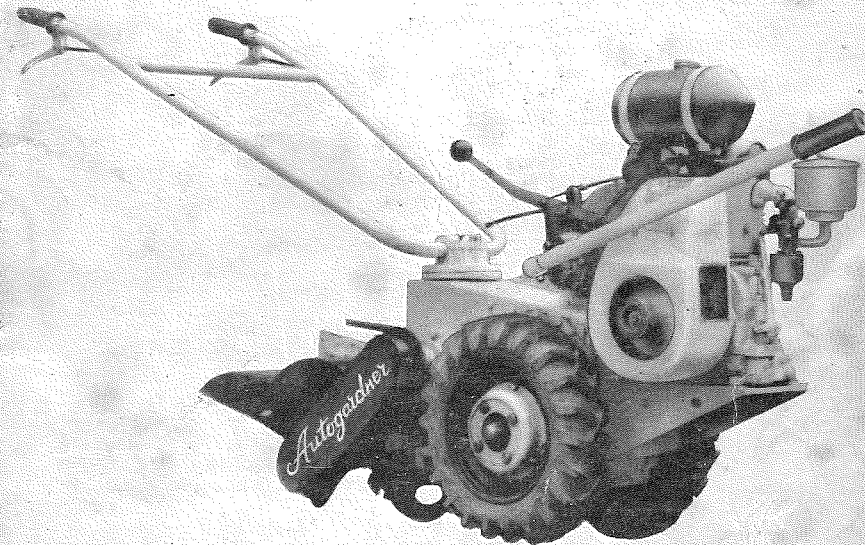
The winter months are the best time to send a machine for overhaul. Do not wait until you are ready to use it before deciding that your machine requires attention, but if you do require spares in a hurry:

1. Quote type, number and Mark of machine, i.e., TYPE: **AUTO-GARDENER**. NO: **40101**. Mark: **2**.
2. Give full details of part in accordance with above instructions, i.e., PART No.: **1568**.

We reserve the right to alter any design, specification or proprietary component without notice.

THE UNIVERSAL "AUTOGARDENER"

AUTO CULTO



INSTRUCTION BOOK AND SPARE PARTS LIST

Manufacturers

ALLEN & SIMMONDS (AUTO CULTO) LTD
De MONTFORT ROAD · READING · BERKS
Telephone READING 4471

UNIVERSAL AUTO GARDENER (ONLY)

ATTACHING PLOUGH TO MACHINE

Remove set screw and washer fig. (1) from top of stalk fig. (2) bring plough to the cross bar, fig. (3) and insert into clasp fig. (4), then replace washer and set screw to top of stalk. Fix back stay fig. (5) to spreader bar, fig. (6) with clasp fig. (7) Attach balance weight fig. (10) to weight bars fig. (11).

ADJUSTING THE PLOUGH

Cut the first furrow with the plough set about the centre of cross bar. After cutting the first furrow the machine travels with the right hand wheel running in the furrow. When working the Plough should always be up-right.

To obtain straight sided furrow adjust plough as follows:—
Slacken bolts and nuts in plough head fig. (8) back stay and rear bracket fig. (9), swing Plough to a vertical position with right hand wheel in furrow, then tighten all bolts and nuts securely.

ADJUSTING THE WIDTH

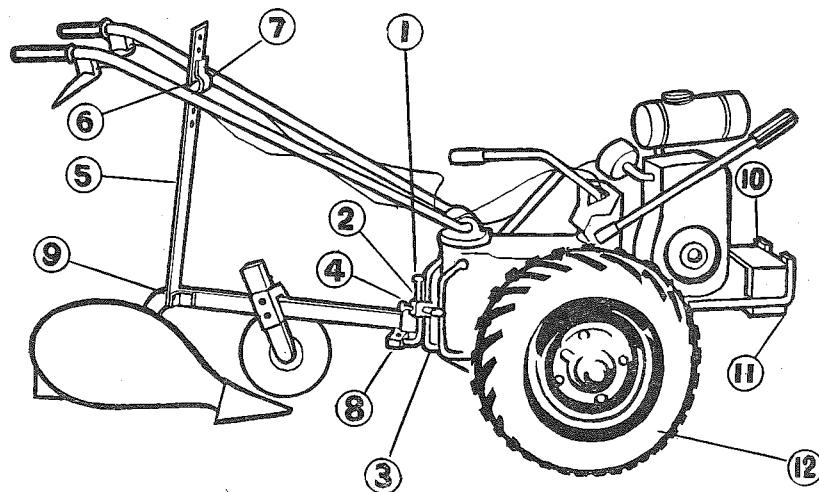
Width of furrow can be adjusted by moving stalk to the right or left of the cross bar.

ADJUSTING THE DEPTH

The depth at which the Plough will work is set by setting the depth stalk fig. (2) at the required depth. The back stay correspondingly adjusted.

When Plough is moved the back stay must be adjusted in a corresponding manner on the Spreader bar. The Back Stay is provided with a number of holes for height adjustment.

Extension rims, fig. (12) are an advantage when Ploughing in some soils.



GENERAL CARE AND USE OF THE UNIVERSAL “AUTOGARDENER” AUTO - CULTO

The purpose of these instructions on starting, running and maintenance is to ensure that the user will obtain the best results from the Autogardener. We also wish to obviate the user making elementary mistakes which might prove detrimental to the machine.

Whilst our primary object is to give service, we feel that in many cases the user, through not giving the necessary attention to maintenance, may lose much valuable time at a period when the machine is required to be in constant use.

GENERAL CARE OF THE MACHINE

The Autogardener should be housed in a clean dry shed, but if it is necessary to leave in a field all night make certain that it is completely covered by a good waterproof sheet.

CLEANING THE MACHINE

On a wet day or between jobs, time is well spent in giving the machine a good clean, greasing all round and tightening any nuts and bolts that may need it.

OILING

It is essential that at all times the transmission in the main casing should be running in oil. Capacity 2 pints. Use XXL. Check frequently with dip stick and if the oil level falls, add oil to the main casing through the oil filler hole to return the oil level to normal. All other moving parts should be oiled.

ENGINE

For type of oil for the engine, follow instructions in the maker's handbook.

OIL AIR FILTER

Carefully follow the instructions for the Air Filter in the engine maker's handbook.

Always keep the oil level up to the correct oil level line.

FUEL

Petrol.

STARTING THE ENGINE

Ensure that gear lever is in neutral position. Pull petrol tap to the "ON" position. Flood carburettor and having moved the handles to the left pull starting handle with steady motion from right to left.

SETTING THE ENGINE

Having started the engine, let it warm up for a few moments, then turn choke lever to the vertical position.

SPECIAL NOTE

Do NOT flood the engine when it is warm.

Always turn the petrol off when the Autogardener is standing idle for any length of time.

RUN IN CAREFULLY

For the first 20—25 hours running, it is essential to avoid overloading the engine. In the early stages, if possible, find light work for the Autogardener.

YOU WILL GREATLY IMPROVE THE FUTURE PERFORMANCE OF YOUR ENGINE BY FOLLOWING THIS ADVICE.

CLUTCH

The Clutch is of the lever operated single plate type. To operate disengage clutch by means of lever situated on left handle. From the neutral position move gear lever to the required gear engage by releasing clutch lever slowly.

CHECK OVER

Do not delay in checking over your machine until you **must** use your Autogardener—let your Agent have a look at it during the quiet periods of the year—this will save you endless time and worry.

USEFUL HINTS FOR THE UNIVERSAL "AUTOGARDENER" AUTO-CULTO

LUBRICATION

When filling engine with sump oil, see that the SUMP is horizontal. Albion Gearbox: Oil capacity 1/6 pint. Use XXL. Fill only to Oil level plug.

On later models, filler plug is also oil level plug.

HOW TO EXAMINE THE TRANSMISSION

Remove right hand wheel and inspection cover.

TO ADJUST CHAIN. Gear Box to Lay Shaft.

Remove right hand wheel and inspection cover. To adjust chain—slacken off the four nuts inside the main casing holding gear box. Push gear box forward. Tighten nuts.

TO ADJUST CHAIN. Gear Box to Engine.

This must be done if gearbox to lay shaft chain has been adjusted. Slacken off four nuts holding engine base to engine bracket, push engine forward—tighten nuts.

CORRECT GEAR SELECTION.

It is recommended that, Number one gear be used for initial and/or deep cultivation. Number two gear be used for light cultivation and Number three gear for moving to and from place of work.

Note:—Our Mark's 2 and 3 when engaging reverse gear, it is essential that the operator stands well clear of the Rotary. Reverse gear should always be used with caution.

TO STOP ENGINE

PRESS 'cut-out' at rear of armature plate.

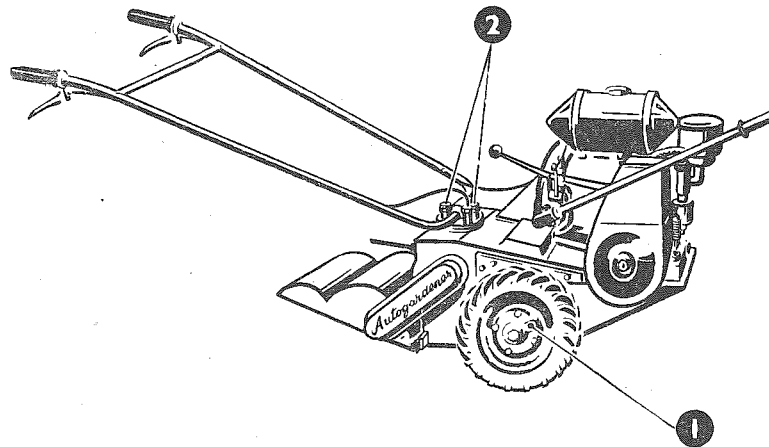
OPERATING LEVER

This lever at rear of transmission case disengages the drive to the wheels, thus enabling the Autogardener to be used as a stationary power unit and should be operated in 1st gear only, if m/c has stopped in 3rd gear drop to 1st gear before moving lever, when started again you can then move back into 3rd gear.

HANDLES

TO ADJUST FOR HEIGHT. Loosen the two nuts fig. (2) move handle to required height, re-tighten.

ALTERNATE POSITION LEFT AND RIGHT. Compress handle lever, on right handle, swing handles left or right as desired, at the same time releasing hand lever, when handle will automatically lock in the required position.



WHEELS. Mks. 1 and 3.

These are of the ratchet type but may be converted to fixed. To convert, turn the plunger situated on the outside of the hub (fig. 1), on both wheels, until the tommy-bar drops into slot on plunger guide.

WE RECOMMEND THAT WHEELS SHOULD BE IN THE FIXED POSITION FOR ROTARY CULTIVATION.

WHEELS (Mk. 2)

Fixed wheels are fitted on this model.

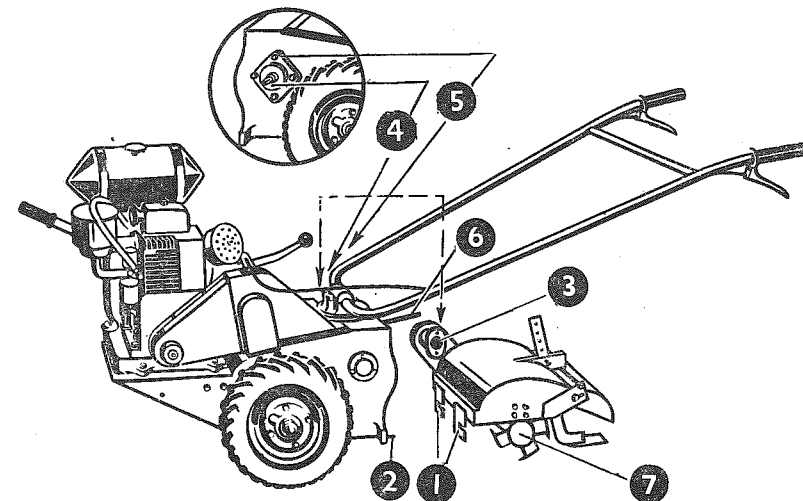
ALL TYRES SHOULD BE RUN AT 10 lbs. PRESSURE.

HOW TO FIT AND USE ATTACHMENTS

Nothing can mar the performance of the Autogardener more than the incorrect setting of attachments. The greatest attention should therefore be given to the following instructions.

For easy handling, it is ESSENTIAL that all attachments be set in accordance with these instructions, bearing in mind that different types of soil and varying conditions of work may call for slight adjustments, but the main principles recommended should be followed as closely as possible.

Make sure when taking delivery, that the agent's representative gives adequate instruction in the use of the Autogardener.



ATTACHING THE ROTARY CULTIVATOR

Fit Rotor frame clips fig. (1) to set screws fig. (2), at the same time sliding the Rotor drive housing fig. (3) over spindle fig. (4) and studs fig. (5). Tighten nuts fig. (5) before set screws fig. (2). Adjust depth skid as required.

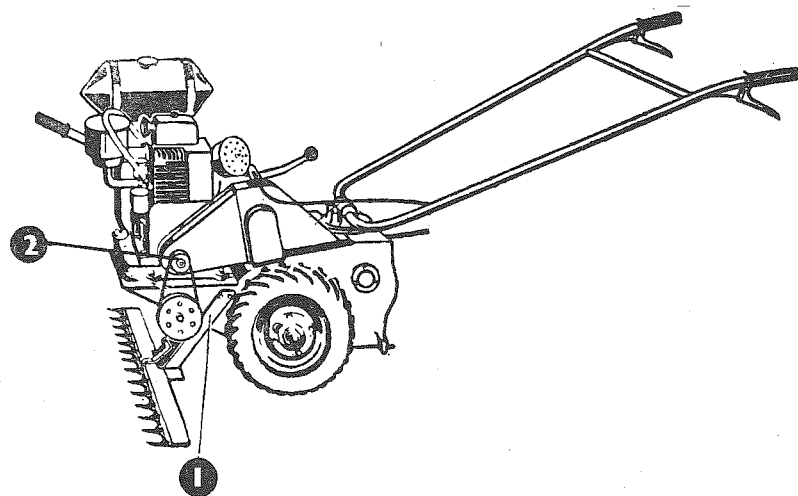
TO WORK THE ROTARY CULTIVATOR

Start engine as instructed. Move lever fig. (6) from left to right—operate clutch as instructed and machine will move forward.

When it is necessary to disengage transmission from land wheels for the purpose of pulling machine backwards (Mark 1 only) or moving when not under power, move lever fig. (6) to the left.

The left-hand bearing cover (7) should be removed periodically and the bearing re-packed with grease.

ATTACHING CUTTER BAR



This is a reciprocating type bar, 2' 9" wide with standard knife sections. To attach—fix side plates fig. (1) to studs. Fit pulley to engine crankshaft fig. (2), fit the twin "V" belts, adjust tension of belts then tighten nuts to studs. The 2 special shouldered nuts provided are for the forward studs.

WHEEL CHANGE—SMALL TO LARGE

After removing the four set screws round the hub, the wheel with its centre flange can be drawn off. The centre flange must then be removed from the small wheel and fixed to cone side of large wheel.

When wheel changing it is convenient to use the handle bars as a support. The handles should be swung to the right-angle position and the machine tilted over to rest on them.

HEDGE CUTTER (Flexible Shaft Type).

Fit Pulley to engine crankshaft fig. (3), attach drive unit to studs on side of engine support fig. (1). Move lever fig. (2) towards machine and position "V" belt. Move lever to working position, adjust drive unit until belt is taut, then tighten nuts.

Disengage lever fig. (2) before starting.

WORKING INSTRUCTIONS

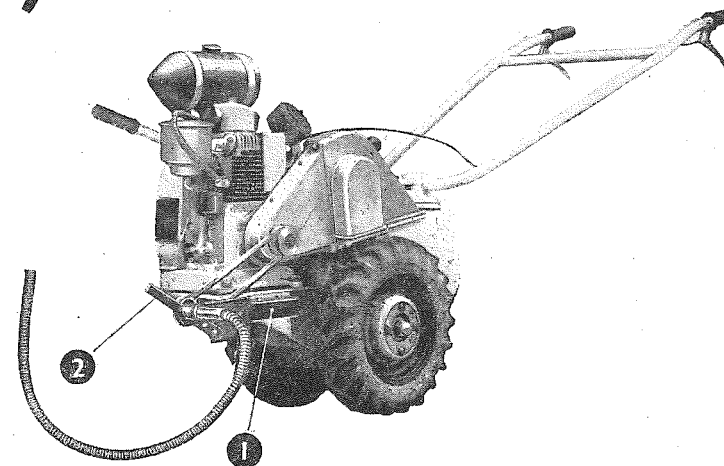
Ensure that lever (fig. 6 page 5) at rear of machine is moved to the left. Start engine as instructed. The Auto-gardener is now used as a stationary power unit. Move lever fig. (2) to engaged position (i.e. forward of machine).

SAFETY DEVICE

Should Hedge Cutter encounter obstacles beyond its capacity, the automatic overload coupling unit will disengage.

SPECIAL NOTE

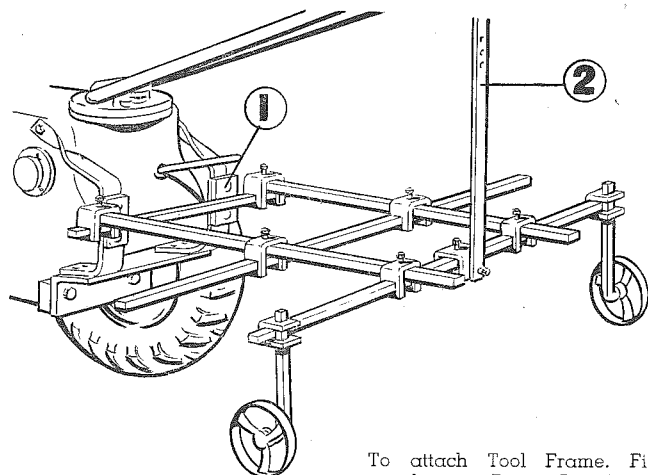
The drive unit is supplied pre-loaded for normal operating and must not be adjusted. The flexible shaft must NOT be subjected to any undue strain and/or excessive curvature.



TARPEN HEDGE CUTTER

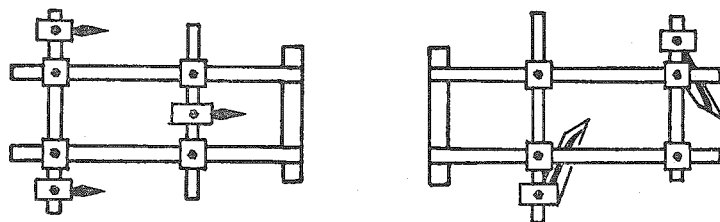
See Makers Instructions

TO ATTACH TOOL FRAME



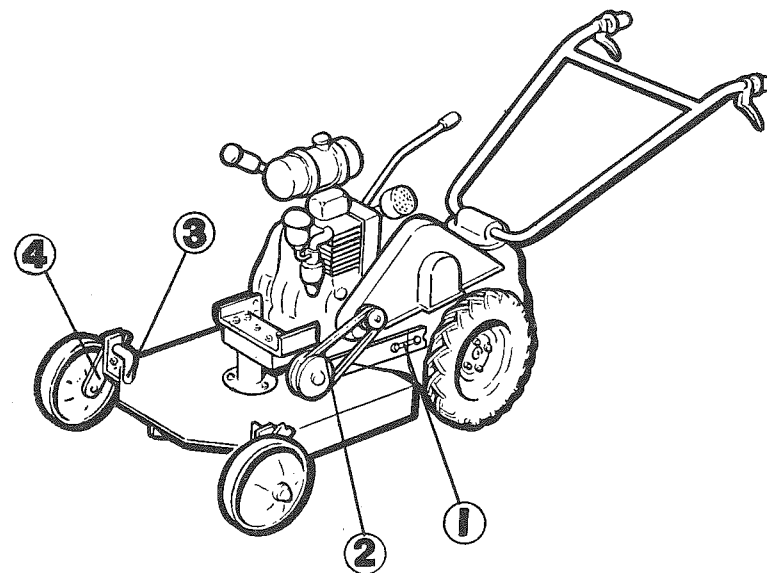
To attach Tool Frame. Fix front member to Draw Bar by 4 bolts fig. (1) and clip back stay fig. (2) to cross bar of machine as with the plough.

TO ATTACH CULTIVATOR POINTS OR HOES TO TOOL FRAME



As illustrated adjustable by means of clasps.

FITTING ROTARY GRASS CUTTER



Fit driving pulley part No. 2304 to engine crankshaft (long boss inwards), engage slots in support arms fig. (1) on to studs and slide up to end of slots.

Fit belt and adjust for correct tension.

Tighten up, placing a flat and spring washer under each nut.

When used with 20" wheels on tractor, the support arms should be attached to the angle plate fig. (2) at the upper pairs of holes.

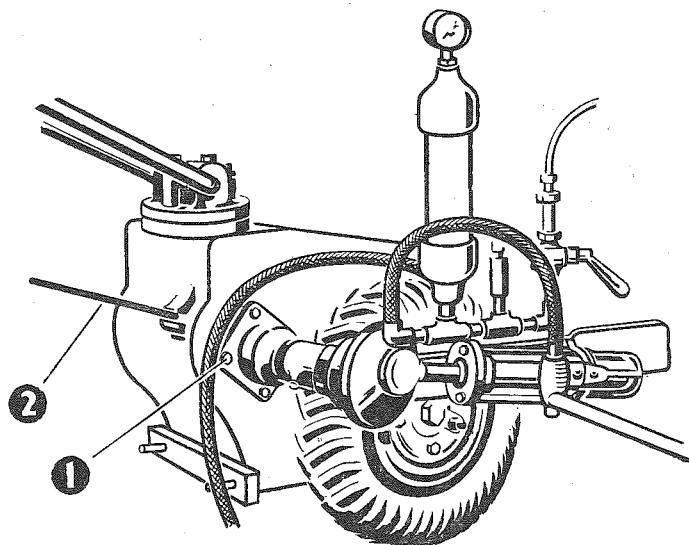
The front depth wheels are adjusted by turning the levers fig. (3) to the upwards position and swinging the axle carriers fig. (4) to the required slots and re-engaging with the levers.

Never adjust depth wheels whilst the blade is in motion.

TO ATTACH PUMP AND COMPRESSOR

Offer Pump Housing to power take-off spindle, fix pump housing to studs on machine fig. (1) and tighten.

Detailed instructions for assembling pump are forwarded with each unit, together with full list of equipment.



WORKING INSTRUCTIONS

Start Engine as instructed. Move lever fig. (2) to the left, operate Clutch as instructed and select 1st gear.

The Autogardener is now used as a stationary power unit.

UNIVERSAL AUTOGARDENER AUTO-CULTO SPARE PARTS

CHASSIS

Mk's 1, 2 & 3	1618	Dip Stick
" "	1575	Front Chain Case
" "	1576	" " " " Plate
" "	1587	" " " " Screw
" "	1588	" " " " Nut
" "	1589	" " " " Spring Washer
" "	1586	Inspection Cover
" "	1594	" " " " Gasket
" "	1591	" " " " Screw
" "	1571	Main Case
" "	1572	" " " " Cover
" "	J138A	Oil Filler Plug
Mk 1	1574	Top Chain Case
Mk's 2 & 3	1644	" " " "

ENGINE

Mk's 1, 2 & 3	1500	Engine with Petrol Tank and Support
" "	1628	" " C/Shaft Distance Piece
" "	1627	" " C/Shaft Washer
" "	1585	" " Key
" "	449	" " Fixing Bolt and Nut
" "	1541	" " Sprocket with Screw 1636
" "	1636	" " Screw
" "	1573	" " Support with Studs 1590
" "	1590	" " Studs
" "	1563	" " Fuel Tank Support
" "	1641	" " Starting Handle Stop

GEAR BOX

Mk's 2 & 3	1648	Gear Box
Mk 1	1501	" " " "
Mk's 1, 2 & 3	1608	" " Clutch Cable
" "	32A	" " Fixing Washer

HANDLES

Mk's 2 & 3	1649	Handle (Starting) with grip
Mk 1	1555	" " " " " "
Mk's 1, 2 & 3	828	" " Grip
" "	1564	" " (Steering) with grips 828
" "	1510	" " Base Plate
" "	1547	" " Bracket with Studs 1617
" "	1068	" " Bolt
" "	SM139A	" " Nut
" "	1596	" " Split Pin
" "	1629	" " Screw
" "	1553	" " Bracket Washer
" "	1548	" " Clamp
" "	1617	" " Stud
" "	870	" " " " Nut
" "	1638	" " Cable Clip
" "	1607	" " Lever

HANGLES (Contd.)

Mk's 1, 2 & 3	1552	Handle Lock plunger
" "	1554	" " " Spring
" "	1551	" " " Cap
" "	1609	" " Turning Cable

TRANSMISSION

Mk's 1, 2 & 3	1536	Axle
" "	1550	" Bush
" "	1537	" Collar LH with Cotter Pin 1631
" "	1538	" " RH " " "
" "	1631	" Cotter Pin
" "	1509	" Final Drive Chain Wheel
" "	1517	" Idler Chain Wheel with Bush 1518 and Fixing Screw 1520
" "	1518	" " " " Bush
" "	1520	" " " " Fixing Screw
" "	1516	" " " " Hub and Sprocket
" "	1539	" " " " Key (Chain Wheel)
" "	1156	" " " " (Ends)
" "	1579	" Chain Axle Idler to Lay Shaft Idler
" "	1577	" " Engine to Gear Box
" "	1580	" " Final Drive
Mk 1	1578	" " Gear Box to Lay Shaft
Mk's 2 & 3	1645	" " Gear Box to Lay Shaft
Mk's 1, 2 & 3	1579	" " Lay Shaft to Axle Idler
" "	1506	Lay Shaft
" "	46	" " Ball Bearings LH
" "	146	" " " " RH
" "	468	" " " " Housing LH
" "	1511	" " " " RH
" "	54	" " " " Set Screw
" "	1521	" " " " Studs
" "	1522	" " " " Collar
" "	1508	" " " " Driven Chain Wheel
" "	1523	" " " " Driving Dog with Ball 1610, Spring 1611 and Grub Screw 1616
" "	1610	" " " " Ball
" "	1611	" " " " Spring
" "	1616	" " " " Grub Screw
" "	1557	" " " " Lever
" "	1639	" " " " Spring Washer
" "	1556	" " " " Pivot
" "	1517	" " " " Idler Chain Wheel with Bush 1518 and Fixing Screws 1520
" "	1544	" " " " Driving Sprocket with Bush 1545
" "	1545	" " " " Bush
" "	1542	" " " " Idler Hub & Sprocket with Bush 1543
" "	1543	" " " " Bush
" "	1512	" " " " Key

WHEELS

Mks 1 & 3	1513	Pawl
" "	1526	" Housing LH with Spring 1535 and Plug 1531
" "	1527	" " RH " " " " "
" "	1535	" " Spring
" "	1530	Plunger
" "	1529	" Guide
" "	1531	Plug (Screwed)

WHEELS (Contd.)

Mk's 1 & 3	1534	Plunger Spring
" "	1519	" " Tommy Bar
Mk's 1, 2 & 3	1504	Tube
" "	1503	Tyre
" "	1502	Wheel (BARE)
Mk 2	1646	Wheel Centre
Mk's 1 & 3	1524	" Centre LH
" "	1525	" " RH
" "	1528	" Flange with Studs 1533
Mk's 1, 2 & 3	1581	" Nut
" "	1597	" Set Screw
Mk's 1 & 3	1533	" Stud
Mk's 1, 2 & 3	1532	" Washer

WASHERS, ETC.

Mk's 1, 2 & 3	1089	Nut 3/8" BSF
" "	1054	Set Screw. Ball Bearing Housing LH
" "	1635	" " Cheese Head
" "	5B49	" " Front Chain Case
" "	5B49	" " Top " "
" "	84E	" Spring Washer. Bearing Housing
" "	84E	" " Engine Support
" "	474	" " Front Chain Case
" "	84E	" " Main Case
" "	84E	" " Rotor Attachment
" "	474	" " Top Chain Case
" "	1521	Studs. Bearing Housing RH
" "	1590	" Engine Support or 1642 Set Screw
" "	1521	" Front Attachment
" "	1590	" Main Case or 1643 Set Screw
" "	1521	" Rear Attachment
" "	1647	Set Screw Rear Attachment
" "	1632	Spanner 1/2" x 3/8" BSF
" "	1633	" 7/16" x 5/16" BSF
" "	1634	" 1/4" BSF

ROTARY CULTIVATOR

Mk's 1, 2 & 3	1612	Depth Skid (complete)
" "	1614	" " Plunger
" "	1615	" " Spring
" "	1505	Hoe Blades (in pairs)
" "	487	" " Bolt and Nut
" "	477	" " Spring Washer
" "	1567	Rotor Cover with Frame and Clips complete
" "	1568	" " Baffle
" "	1570	" " Distance Tube
" "	1569	" " Tie Rod
" "	1637	" " Nut and Bolt
" "	1580	" Drive Chain
" "	1514	" " Housing with Bush 1595
" "	1595	" " Bush
" "	1590	" " Stud
" "	1584	" " Key
" "	1558	" " Plate
" "	1593	" " Screw
" "	1589	" " Spring Washer

ROTARY CULTIVATOR (Contd.)

Mk 1	1507	Rotor Drive Cover
Mk's 2 & 3	1651	" " " "
Mk's 1, 2 & 3	1605B	" " " Screw Long
" "	1605A	" " " Short
" "	1592	" " " Gasket
Mk 1	1619	" " " Shoe
Mk's 2 & 3	1650	" " " "
" "	1520	" " " Screw
Mk 1	1587A	" " " "
Mk's 1, 2 & 3	1546	" " " Spindle
" "	1599	" " " Sprocket Circlip
" "	1540	" " " Driver
" "	1515	" " " Driver
" "	1561	" " " Spindle (complete) X
" "	146	" " " Bearing
" "	1560	" " " Housing LH with Felt Washer 1603
" "	1559	" " " RH with Felt Washer 1603
" "	1562	" " " Cover
" "	1604	" " " Screw
" "	477	" " " Washer
" "	1600	" " " Screw Long
" "	1601	" " " Short
" "	1602	" " " RH Bottom
" "	1603	" " " Felt Washer
" "	1540	" " " Sprocket
Mk 1	1549	Dome Nut
Mk's 1, 2 & 3	1647	Rotor Retaining Set Screw

FRONT MOWER

Mk's 1, 2 & 3	1696	Blade (Spare)
" "	1687	Con Rod
" "	1680	" " " Block with Bush 1686
" "	1686	" " " Bush
" "	1679	" " " Fork with Greaser WS30A and Lock Screws 1692
" "	58X	" " " Lock Nut
" "	1725	Con Rod Guard
" "	1676	Crank Web
" "	1677	" " " Pin
" "	1690	" " " Washer
" "	1675	" " " Shaft with Web 1676 and Pin 1677
" "	1684	" " " Bearing Bush
" "	1681	" " " Key
" "	1695	Cutter Bar
" "	1694	" " " Plate
" "	1694A	" " " Set Screw
" "	1693	Driving Belts (supplied in pairs only)
" "	WS30A	Greaser (straight)
" "	1697	Joint Pin
" "	1692	" " " Lock Screw
" "	1672	Main Bracket with Side Plates 1670 & 1671, Bushes 1684, Bush 1685, Distance Sleeves 1673 and Pivot Boss 1674
" "	1698	" " " Nut

FRONT MOWER (Cont.)

Mk's 1, 2 & 3	1737	Rocker arm assembly complete with greaser.
" "	1677	" " " Pin
" "	1678	" " " Pin
" "	1685	" " " Bush
" "	SM39A	" " " Nut
" "	1691	" " " Washer
" "	1689	Pulley for Crank Shaft
" "	1688	" " " Engine
" "	1154	Split Pin
" "	1726	Grass Separator

ROTARY GRASS CUTTER

Mk's 1, 2 & 3	2304	Engine Pulley
" "	1800	Driven Pulley
" "	1820	" " " Key
" "	1801	Support Arms
" "	1802	Gear Housing Cover (complete)
" "	1803	" " " "
" "	1804	Drive Spindle
" "	1805	Knife " with Disc 2214
" "	1806/7	" " " Carrier Plate (complete)
" "	1808	" " " Safety Plates
" "	1809	Main Frame (complete)
" "	1810	Knife Spindle Cover
" "	1811	Drive Spindle Bearing Cap
" "	1812	Knife Cover complete with Shutter 1819
" "	1813	Land Wheel Axle with Carrier 1814
" "	2219	Land Wheel
" "	1815	" " " Pivot Pin
" "	1816	" " " Stop Pin
" "	1817	" " " " Thimble
" "	1818	" " " " Lever
" "	1820	Bevel Gear Keys
" "	1821	" " " (Drive Spindle)
" "	1822	" " " (Knife ")
" "	1823	Drive Spindle Bush
" "	1824	Knife " " (lower)
" "	2020	" " " (upper)
" "	1823	Bearing Cap Bush
" "	1826	Driving Belt (14 Wheels)
" "	2222	Knife Section (spares)
" "	1219	Tommy Bar for Land Wheel Lever
" "	5B42	Lock Nut for Driven Pulley
" "	42AX	" " " Knife Spindle and Wheel Pivot
" "	2044	Dome Nut for Wheels
" "	477	Spring Washer Bearing Cap
" "	1692	Lock Screw for wheel stop thimble
" "	1833	Washer for Knife Spindle
" "	1396	Split Pin " " "
" "	2230	Aerotight Nut for Knife Sections
" "	1643	Bolts for Support Arms
" "	1642	Bolts " Housing Cover
" "	449	Bolts " Gear Housing to Frame
" "	1291	Screws for Knife Cover (short)
" "	1604	" " " " (long)

"	"	54	"	"	"	Sections
"	"	1829	Screw	for	Bevel	Gear
"	"	DE117	Greaser	for	Housing	
"	"	1089	Nut	3/8"	BSF	
"	"	84E	Washer	3/8"	Spring	
"	"	F30A	"	1/2"	Spring	
"	"	1827	Driving	Belt	(20"	Wheels)

Mk's 1, 2 & 3	5G11	Towing head
" "	1741	" " Towing Stalk
" "	1740	Coulter Hub
" "	1742	Plough Beam
" "	1743	" " Swivel Head
" "	1780	" " " " Convex Strip
" "	1747	Plough
" "	1748	Disc Coulter 12"
" "	1760	Bracket for Plough
" "	1781	Coulter Eye Bolt
" "	1782	Radius Pad
" "	1783	Strap
" "	1784	Coulter Stalk
" "	1665	Packing Piece for Plough
" "	1666	Back Stay
" "	1667	" " Clip
" "	30X	" " Bolt and Nut
" "	1691	Bracket to Beam Bolt and Nut
" "	32A	Towing Stalk Washer
" "	1637B	" " Set Screw
" "	58X	Coulter Axle Lock Nuts
Mks. 1, 2 & 3	5B55	Coulter Clasp Nuts
" "	RC62	Back Stay and Clip Bolt and Nut
" "	1629	Packing Piece Clasp Screw and Nut
" "	F30A	Spring Washer
" "	801	Plough Shares

Mk's 1, 2 & 3	143	Tube
" "	143	Tyre
" "	1855	Wheel (Bare)
" "	134	Extension Rim
" "	1656	" " Distance Piece
" "	1657	" " Taper Washer
" "	1744	Bolt and Nut for Extension Pin

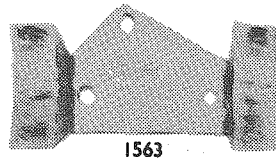
"	"	1764/5	Front Member (complete)
"	"	1745	Side Bars
"	"	1746	Cross Bars
"	"	256	Depth Wheel
"	"	R6	" ... " Stack
"	"	58A	" " " Washer
"	"	R9	Split Pin
"	"	563	Clasp
"	"	R8	" Set Screw
"	"	563	Clasp with Bar 1792

16

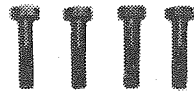
This diagram shows an exploded view of a mechanical assembly. The parts are numbered as follows:

- 828**: Long vertical shaft on the left.
- 32 A**: Four small circular components near the top of shaft 828.
- 58 49**: Four small circular components near the top of shaft 1555.
- 1555**: Long vertical shaft on the right.
- 1575**: Triangular plate at the bottom left.
- 1574**: Triangular plate in the middle left.
- 1576**: Triangular plate at the top left.
- 1646**: Two circular components at the top left.
- 1587**, **1588**, **1589**: Three small circular components in the middle left.
- 1591**, **1635**, **474**: Three small circular components near the bottom left.
- 1586**: Rectangular plate at the bottom left.
- 1643**, **1556**, **1639**: Three small circular components in the middle left.
- 1618**: Long vertical shaft in the middle left.
- 1557**: Long vertical shaft in the middle left.
- 1594**: Rectangular plate in the middle left.
- 1642**, **1521**: Two small circular components at the top left.
- 1590**: A series of small rectangular components at the top left.
- 1089**: A series of small rectangular components at the top left.
- 84 E**: A series of small rectangular components at the top left.
- 1571**: Large rectangular plate at the top right.
- 1511**: Small circular component at the top right.
- J 138 A**: Small circular component at the top right.
- 54**: Small circular component at the top right.
- 1550**: Small circular component at the top right.
- 468**: Small circular component at the top right.
- 1572**: Large rectangular plate at the bottom right.

ENGINE SUNDRIES



1563



449



449



1636

1585



32 AX



1641



84 E



1541



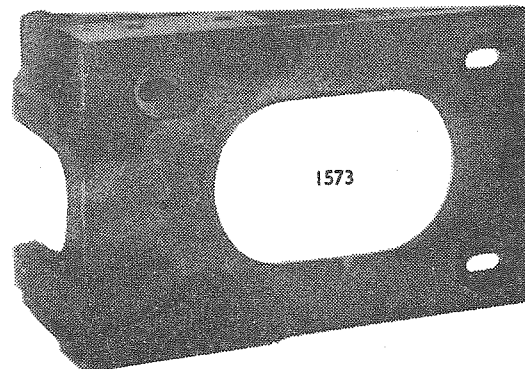
1626



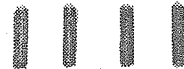
1627



5B 49



1573



1590

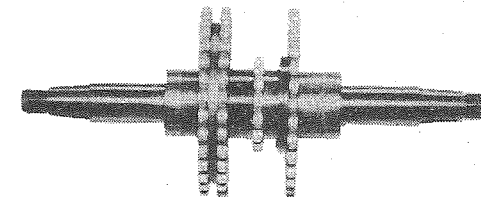


1089



84 E

MAINSHAFT ASSEMBLY Mk's 1, 2 & 3



J 156

1537

1631

1538

J 156

1532

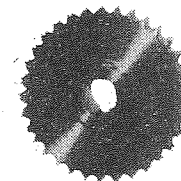
1536

1532

1581

1539

1581



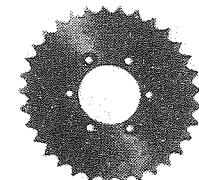
1509



1516



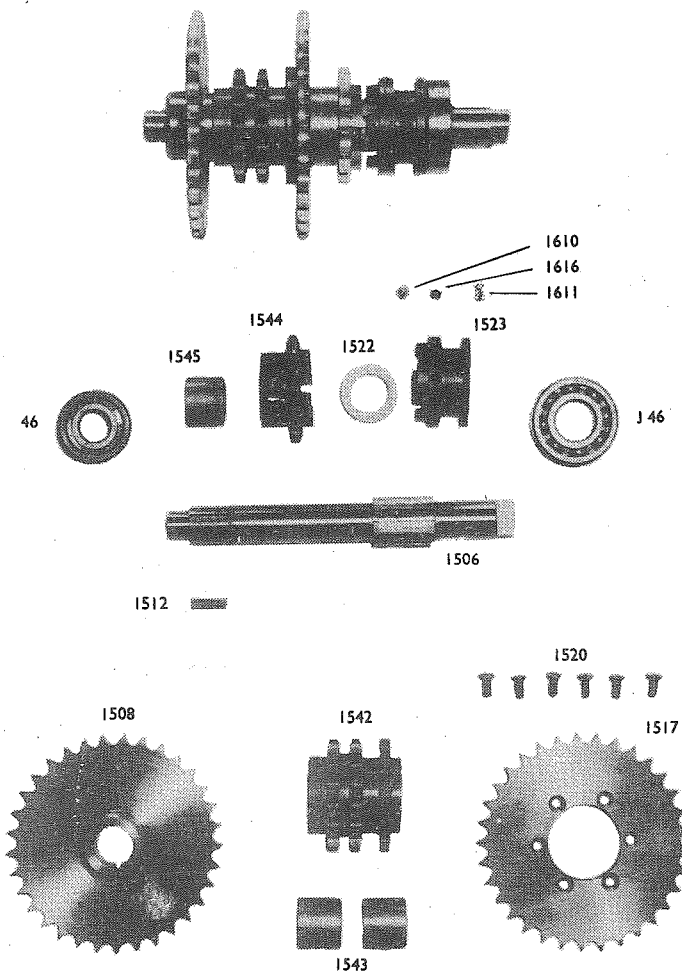
1518



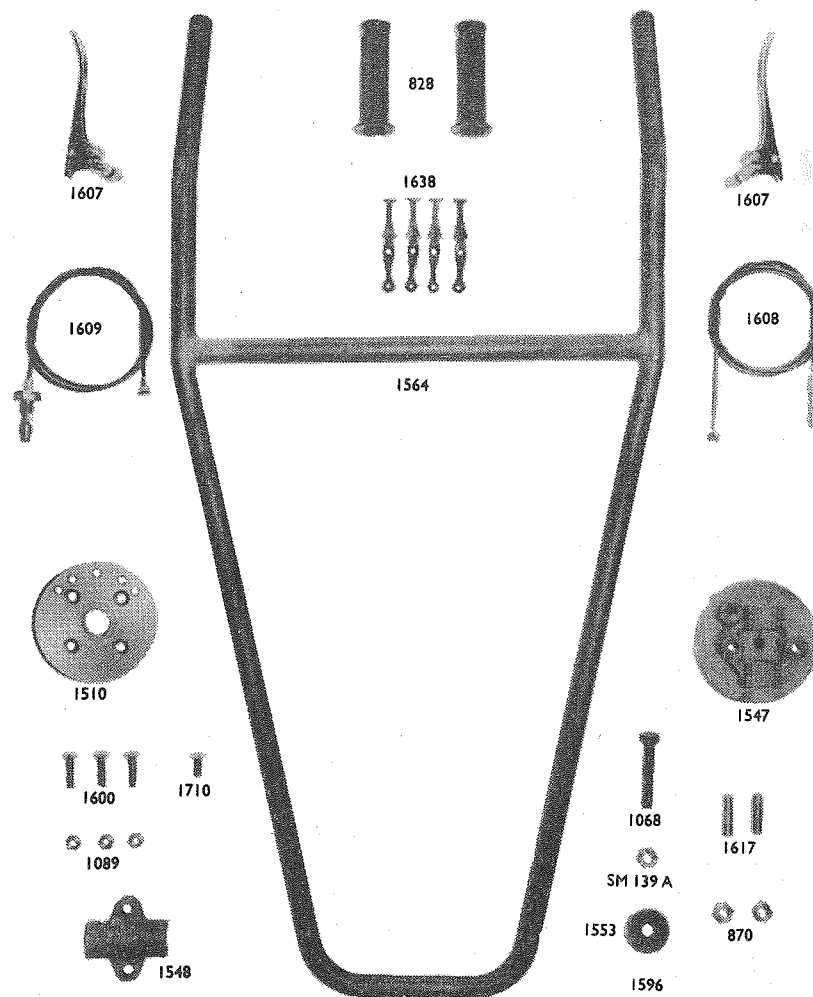
1517

1520

LAYSHAFT ASSEMBLY Mk's 1, 2 & 3



HANDLE COMPONENTS



1503

1504

1597

1528

1502

1528

1524

1526

1533

1535

1527

1525

1529

1530

1534

1695

1696

1694 A

F30/A

SM

SM

139 A

128

17726

1036/2

1553

1698

YYY S4

J 154 WS 30A

1688

1681

1693

1672

1685

1684

1686

1680

1679

1687

58 X

1692

1697

1725

1737

1690

[illegible]

"	"	3108	Balance Weight
"	"	1669L	" " Support Bar (L.H.)
"	"	1669R	" " " " (R.H.)

Mk's 1, 2 & 3 **1714** Drive Housing
 " " **1716** " " Bush
 " " **1715** Driving Spindle
 " " **WS30A** Greaser
 " " **1713** Pump
 " " **1717** Torque Bar with "U" Piece 1718
NOTE: FOR PUMP PARTS SEE MAKER'S LIST

"	"	2300	Hedge Trimmer 12"
"	"	2301	Flexible Shaft 12'
"	"	2301	" " 15'
"	"	2302A	Cut-out Attachment (complete)
"	"	2302	" " " (old type)
"	"	2304	Engine Pulley 4"
"	"	2305	Driving Belt
"	"	2307	Chain Saw
"	"	1724	Attaching Bracket for Cut-out 2302

Auto bulb Junior
Engine No 10. Series No 110.
Powered by Villiers Four Stroke
MARK 15 HS. (147 C.C.)
No 085C - 41169
Received 22nd Nov 1960.

HOW TO ORDER SPARE PARTS

It is the aim of our Service Department to supply, by return, Spare parts that may be required to keep all Autogardeners constantly at work.

We have found that a great deal of needless delay and correspondence has arisen because of the failure of Autogardener users to supply the information which will enable us to forward the parts required. If the user will refer to the Spare Parts List, page 11, they will have no difficulty in giving details of any parts required, thus ensuring that spares can be despatched without loss of time.

ALWAYS QUOTE AUTOGARDENER NUMBER AND MARK (ie. Mk.1, 2, or 3).

LEFT-HAND AND RIGHT-HAND POSITIONS

When quoting "left-hand" or "right-hand," position is always taken when the operator is standing between the handles in the normal working manner.

SENDING MACHINE FOR OVERHAUL

If machines are sent for overhaul to our Works, securely label and plainly mark with sender's name and address.

POSTING SAMPLES TO WORKS

In case of doubt, send spares to us for identification, together with sender's name and address (block capitals).

ADVISE WHEN SENDING TO WORKS

Please confirm, under separate cover, when machine or parts have been despatched, so that in case of non-delivery, same may be traced.

IMPORTANT

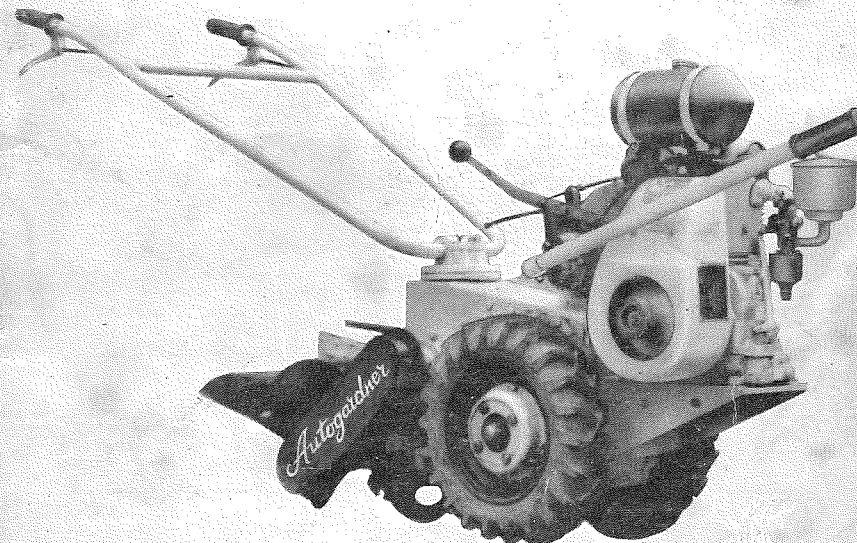
The winter months are the best time to send a machine for overhaul. Do not wait until you are ready to use it before deciding that your machine requires attention, but if you do require spares in a hurry:

1. Quote type, number and Mark of machine, i.e., TYPE: **AUTO-GARDENER**. NO: **40101**. Mark: **2**.
2. Give full details of part in accordance with above instructions, i.e., PART No.: **1568**.

We reserve the right to alter any design, specification or proprietary component without notice.

THE UNIVERSAL "AUTOGARDENER"

AUTO CULTO



INSTRUCTION BOOK AND SPARE PARTS LIST

Manufacturers

ALLEN & SIMMONDS (AUTO CULTO) LTD
De MONTFORT ROAD · READING · BERKS
Telephone READING 4471