

BRIEF INSTRUCTIONS AND SPARE PARTS LIST FOR

WICO

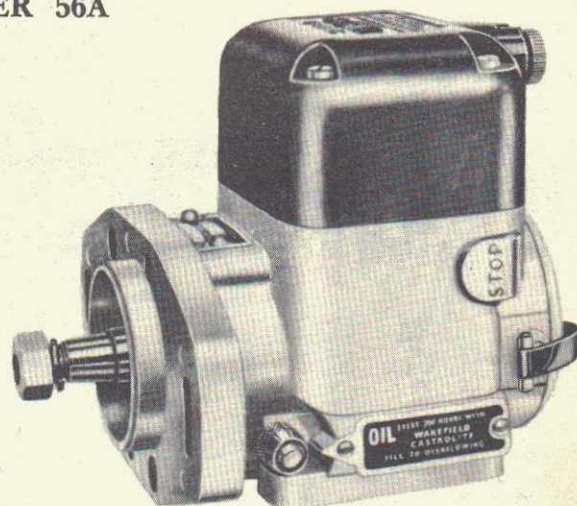
SERIES "A" MAGNETO, SPECIFICATION A-1025BZ

STANDARD EQUIPMENT ON

THE ROTOTILLER 56A

Description :

CYLINDER :	Single
ROTATION :	Clockwise
MOUNTING :	Flange
DRIVE :	Special Taper
H.T. LEAD :	24"
BREAKER POINT SETTING :	.015"
SPARKING PLUG :	18S



SERVICE INSTRUCTIONS

INSTALLATION AND TIMING

A timing mark is stamped on the flywheel and the engine should be turned until the mark coincides with a similar mark stamped on the top projecting boss of the fan case.

Then remove the magneto contact breaker cover and turn the magneto in a clockwise rotation until the breaker points just begin to separate. Secure the magneto to the engine in this position. The magneto can be slightly advanced or retarded by slackening off the two nuts which hold the magneto flange in position and moving the flange in either direction in the two slotted holes.

To recheck the timing, turn the engine flywheel in its normal rotation and the breaker points should begin to separate when the mark on the flywheel is opposite the mark on the engine casing.

LUBRICATION

The magneto is provided with two spring oilers (1423). Once every 200 hours either one of these oilers should be filled to overflowing with Castrolite. After every 1,000 hours it is necessary to re-lubricate the cam oil pad (5446). This is done by removing the pad and squeezing and working into it a Summer grade of motor transmission grease which will very closely resemble that used at the factory. Do not use ordinary grease.

Breaker Point Opening

The correct breaker point opening is .015". When re-adjustment is necessary, loosen the screw which locks the fixed contact plate and turn the eccentric-headed screw until the correct opening of points is obtained. Then lock the plate securely.

Replacement of Breaker Points

If the points need replacing, both the fixed and moving points should be replaced at the same time.

To remove the breaker arm, take off the breaker arm clamp screw, lockwasher and clamp washer together with the breaker arm terminal screw and pull the assembly off the breaker arm pivot. The fixed contact plate may then be taken off the breaker arm pivot, after removing the fixed contact screw.

Removal of Condenser

Remove the screw holding down the breaker arm spring. The condenser is then taken from the breaker box by removing the two fixing screws (1100).

Removal of Coil

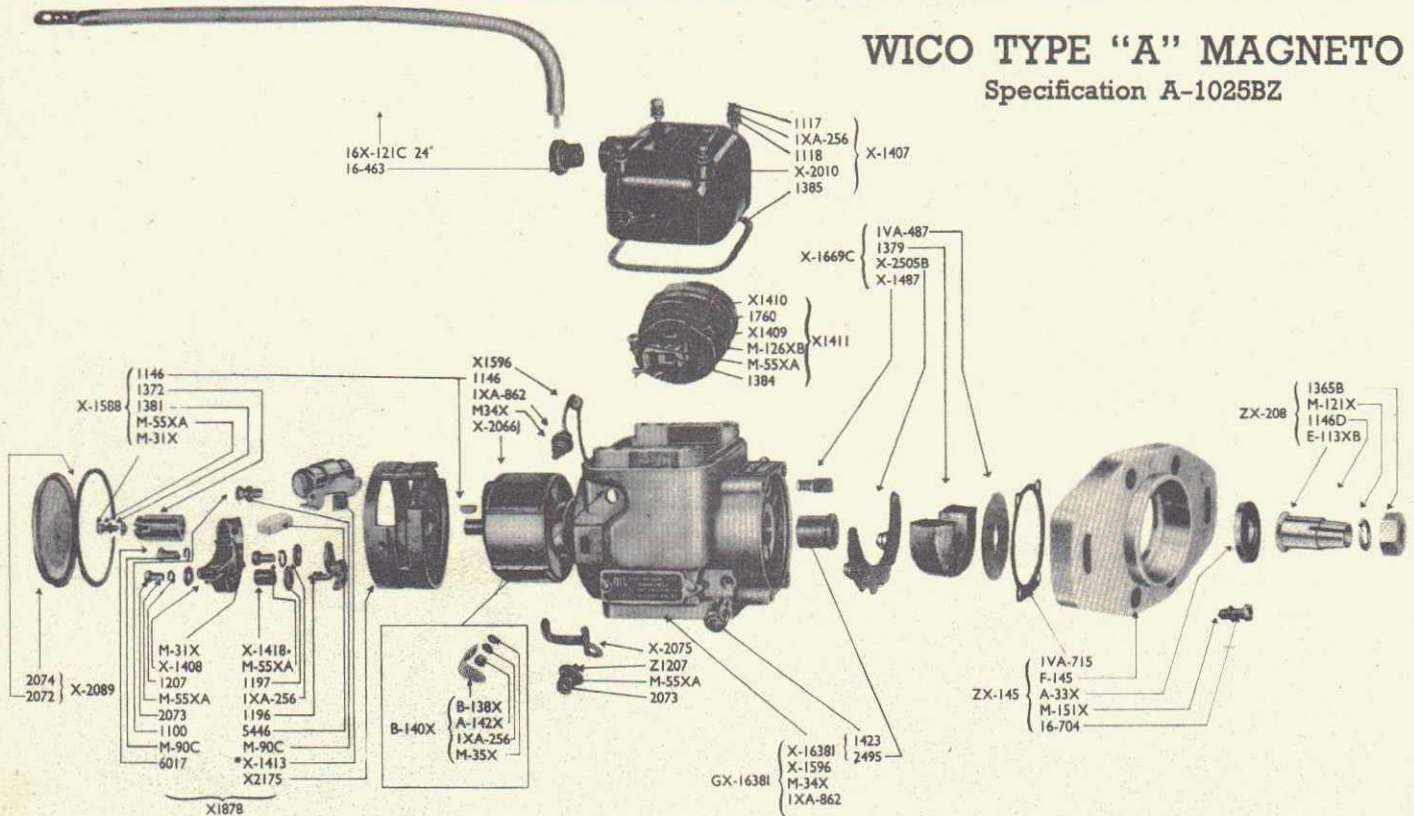
Remove the top cover (X1407) and the breaker box cover (2074). Viewing the magneto from the driving end, release the primary lead by loosening the right-hand side earth stud. Then remove the two screws holding down the core clamps (1384). Turn the magneto shaft until the magnetism no longer grips the coil core to the main housing, pull the coil (X1410) and the coil core (X1409) free. The coil is held on the core by a wedge. If the coil is to be replaced, considerable force may be necessary to remove the coil from the core.

In replacing the coil and coil core, be sure that the ground surface of the core is against the housing, that the primary lead to the earthing stud is properly located and that the primary earth lead is fastened under the coil core clamp screw.

WICO-PACY SALES CORPORATION LIMITED · BLETCHLEY · ENGLAND

Northern Area Branch and Service Depot: 7, PARK SQUARE, LEEDS, 1

WICO TYPE "A" MAGNETO Specification A-1025BZ



* X-1413 Includes 5446, M-90C(3), 1100(2) & 6017

SPARE PARTS LIST

Part No.	Quantity	Description
M-31X	1	Cam Screw
M-31X	1	Fixed Contact Screw
A-33X	1	Oil Seal
M-34X	4	Earth Stud Insulating Bushing
M-35X	2	Earth Stud Insulating Washer
M-55XA	1	Cam Screw Lock Washer
M-55XA	2	Coil Clamp Core Screw Lock Washer
M-55XA	1	Fixed Contact Screw Lock Washer
M-55XA	1	Breaker Arm Clamp Screw Lock Washer
M-55XA	2	Breaker Box Screw Lock Washer
M90C	2	Condenser Screw Lock Washer
M90C	1	Breaker Arm Spring Screw Lock Washer
E113XB	1	Taper Adaptor
16-X121C	1	H.T. Lead Group 24"
M-121X	1	Drive Shaft Adaptor Nut Lock Washer
M-126XB	2	Coil Core Clamp Screw
B-138X	2	Stop Switch Contact
†B-140X	2	Stop Switch Group
A-142X	2	Ground Stud Nut
F145	1	Endplate
†ZX145	1	Endplate Group
M-151X	4	Endplate Screw Lock Washer
†ZX208	1	Taper Adaptor Unit
IXA-256	2	Fixed Contact Screw Washer
IXA-256	4	Cover Screw Washer
16-463	1	Terminal Nut
IVA-487	1	Oiling Disc
16-704	4	Endplate Screw
IVA-715	1	Endplate Gasket
IXA-862	2	Earth Stud Insulating Washer
1100	2	Condenser Screw
1117	4	Cover Screw
1118	4	Cover Screw Washer (leather)
1146	1	Cam Key
1146D	1	Taper Adaptor Key
1152	1	Oil Scraper (part of X1487)
1153	1	Oil Scraper Spring (part of X1487)
1172	1	Oil Catcher (part of X1638)
1196	1	Fixed Contact
1197	1	Breaker Arm Spacing Washer
1207	1	Breaker Arm Clamp Washer
Z1207	2	Breaker Box Screw Washer
1328	2	Earth Stud (part of X1596)
1365B	1	Drive Shaft Adaptor Nut
1372	1	Cam

Part No.	Quantity	Description
1379	1	Main Oil Pad
1381	1	Cam Screw Lock Plate
1384	2	Coil Core Clamp
1385	1	Cover Gasket
†X1407	1	Cover Group
X1408	1	Breaker Arm Group
X1409	1	Coil Core Group
X1410	1	Coil Group
†X1411	1	Coil and Core Group
X1413	1	Condenser Group
1418	1	Breaker Arm Spacer
1423	2	Oiler
X1487	1	Oil Scraper Assembly
†X1588	1	Cam Unit
X1596	1	Ground Stud Group (2 screws connecting wire and breaker lead)
†GX1638I	1	Main Housing Assembly
†X1638I	1	Main Housing Unit
†X1669C	1	Oiling Disc Unit
1760	2	Coil Gasket
†X1878	1	Breaker Assembly
X2010	1	Cover Unit
X2066J	1	Rotor Assembly
2072	1	Breaker Box Gasket
2073	2	Breaker Box Cover Screw
2073	1	Breaker Arm Clamp Screw
2073	1	Breaker Arm Spring Screw
2074	1	Breaker Box Cover
X2075	2	Breaker Box Clip Assembly
†X2089	1	Breaker Box Cover Unit
X2175	1	Breaker Assembly Housing
2264B	2	Coil Wedge (part of X1411)
2495	2	Main Housing Bushing
X2505B	1	Oil Pad Spring Group
5446	1	Cam Oil Pad
X5999	1	Condenser
6017	1	Breaker Arm Spring Screw
18S	1	Pacy Sparking Plug

† Includes all parts bracketed against this number on illustration above.

To ensure receiving the correct spares, please quote Magneto Specification Number together with Part Number required.

Effective Jan. 1st, 1941. These prices are subject to increase in accordance with any advance in the cost of material and labour at the time of receiving your order.