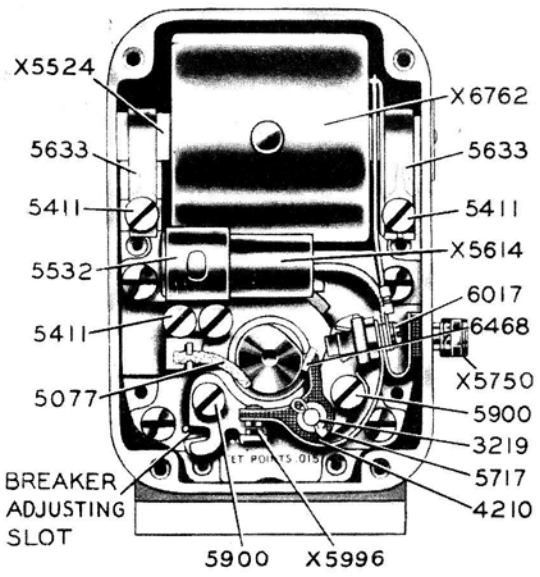
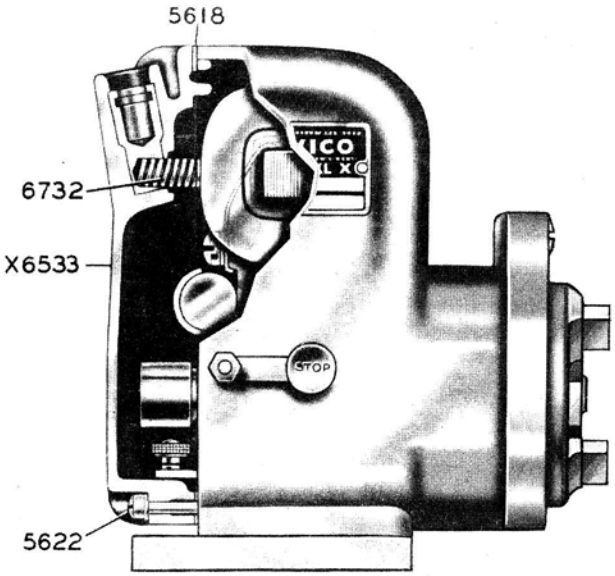
SERVICE PARTS LIST
For
Wico Magneto Specification XH-2049





SERVICE PART LIST

Part No.	Part Name	List Price
3219	Breaker arm pivot washer	$ .05
4210	Breaker arm lock	.05
5077	Cam wiper felt	.05
5411	Condenser clamp screw	.05
5411	Coil core clamp screw	.05
X5524	Coil core group	.65
5532	Condenser bracket	.10
X5614	Condenser group	1.65
5618	Cover gasket	.10
5622	Cover screw	.05
5633	Coil core clamp	.05
5717	Breaker contact aligning washer	.05
X5750	Ground connection unit	.50
5900	Fixed contact clamp screw	.05
X5996	Breaker contact set (Includes fixed contact, breaker arm)	1.75
6017	Breaker spring clamp screw	.05
6468	Breaker arm felt	.05
X6533	Cover unit	2.45
6732	Coil contact spring	.10
X6762	Coil group	5.90

COMPLETE MAGNETO $32.90

Prices effective Nov. 1, 1950 -- subject to change without notice.

SERVICE INSTRUCTIONS
For
Wico Magneto Specification XH-2049

TIMING

The magneto is properly timed to the engine at the factory. If it becomes necessary to retime the magneto to the engine, refer to the instructions in the engine instruction book.

LUBRICATION

The only lubricating point in the magneto is the cam wiper felt, 5077. This felt, which lubricates the breaker arm at point of contact with the cam, should be replaced whenever it is necessary to replace the breaker contacts.

IMPORTANT

Incorrectly adjusted spark plug gaps cause magneto failure more frequently than any other condition.

Spark plugs should be inspected at frequent intervals, the size of the gap should be carefully checked and adjusted and the plugs thoroughly cleaned.

All oil, grease, and dirt should frequently be wiped off the magneto, lead wires, and spark plug insulators. Keeping these parts clean and the spark plugs properly adjusted will improve the engine performance and at the same time will prolong the life of the magneto.

MAGNETO COVER

The magneto cover, X6533, can be removed by loosening the four screws, 5622, which hold it in place. When replacing the cover be sure that the cover gasket, 5618, is in its proper place.

BREAKER CONTACTS—REPLACEMENT AND ADJUSTMENT

The breaker contacts should be adjusted to .015" when fully opened. To adjust the contacts, loosen the two clamp screws, 5900, enough so that the contact plate can be moved.

Insert the end of a small screw driver in the adjusting slot and open or close the contacts by moving the plate until the opening is .015", measuring with a feeler gauge of that thickness, tighten the two clamp screws.

To replace the contacts remove the breaker, the spring clamp screw, 6017, the breaker arm lock and washer, 3219, and 4210, then lift the breaker arm from its pivot. Remove the spacing washer, 5717, and the two breaker plate clamp screws, 5900. The breaker plate can then be removed.

If the contacts need replacing it is recommended that both the fixed contact and the breaker arm be replaced at the same time, using replacement breaker set X5996.

After assembly the contacts should be adjusted as described above. The contacts should be kept clean at all times. Lacquer thinner is an ideal cleaner for this purpose. Use WICO tool S-5449, to adjust the alignment of the contacts so that both surfaces meet squarely.

CONDENSER

To remove the condenser, X5614, first disconnect the condenser lead by removing the breaker arm spring screw, 6017, then remove the two condenser clamp screws, 5411, and the condenser clamp 5532. When replacing the condenser make sure it is properly placed and that the clamp screws are securely tightened.

COIL AND COIL CORE

The coil and coil core must be removed from the magneto housing as a unit. Disconnect the primary wire from the breaker arm spring terminal by removing screw, 6017, take out the two coil core clamp screws, 5411, and remove the clamps 5633. The coil and core can then be pulled from the housing. When replacing this group make sure that the bare primary wire is connected under the core clamp screw and that the insulated wire is connected to the breaker arm spring terminal.

REMOVAL OF COIL FROM CORE

The coil X5700, is held tight on the core, X5524, by two wedges, 10383. It will be necessary to press against the coil core with considerable force to remove it from the coil. The coil should be supported in such a way that there is no danger of the primary of the coil being pushed out of the secondary.

When replacing the coil on the coil core, slide it on then press in the two coil wedges, one on each end, until they are flush with the primary of the coil.

WICO ELECTRIC COMPANY
WEST SPRINGFIELD, MASSACHUSETTS, U.S.A.