

WICO MODEL XH-I MAGNETOS

XH-150-B Wis. Y-58 used on AD, ADH, AE, AEH, AF, AFH, AG, AGH, AH, AHH
XH-1295-C Wis. Y-68-A used on AA, AB, ABN, AK, AKN
XH-1995 Wis. Y-62 used on AEN

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 diagram and 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 or X7114, 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 spring clamp screw, 6017, the breaker arm lock and washer, 3219 and 4210, then lift the breaker arm from its pivot. Remove the aligning washer, 5717, and the two fixed contact 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

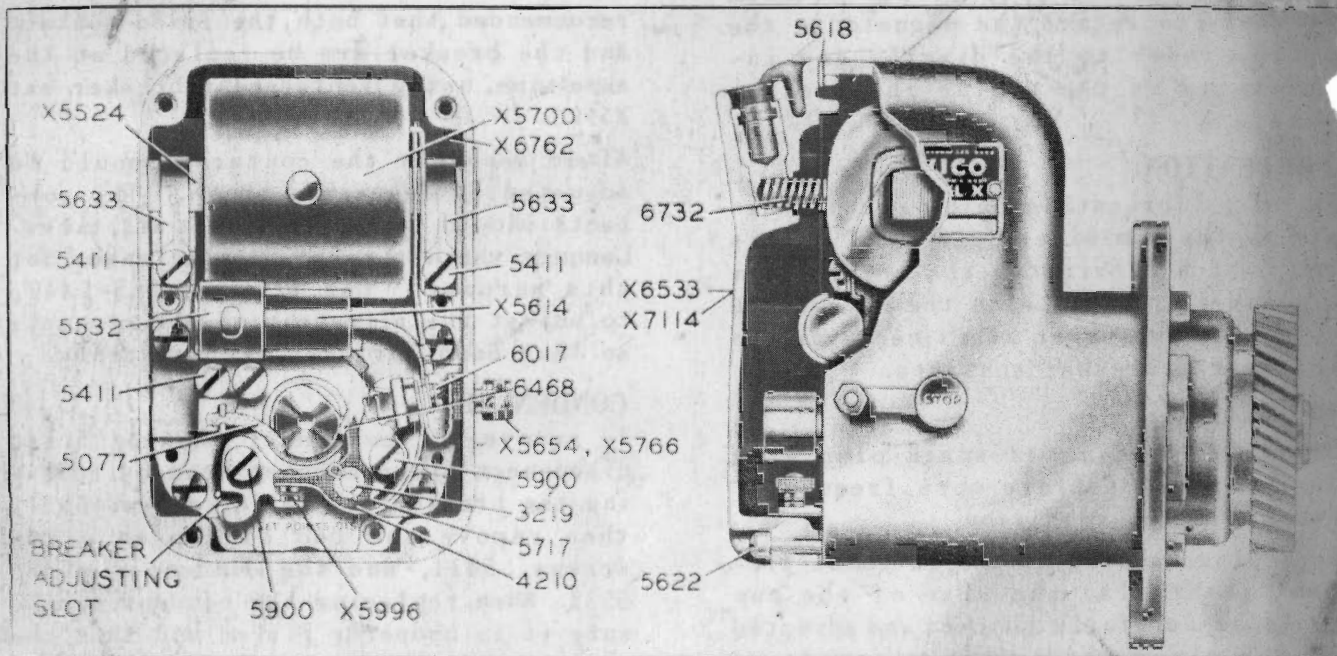
The coil X5700 or X6762, is held tight on the core, X5524, by two wedges, 10383. It will be necessary to press against the coil core with considerable force to remove it from the coil. The coil should be supported in such a way that there is no danger of the primary of the coil being pushed out of the 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.

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SERVICE PARTS LIST

WICO NO. XH-150-B MAGNETO, WIS. MOTOR NO. Y-58
 WICO NO. XH-1295 MAGNETO, WIS. MOTOR NO. Y-57 *
 WICO NO. XH-1295-B MAGNETO, WIS. MOTOR NO. Y-68 *
 WICO NO. XH-1295-C MAGNETO, WIS. MOTOR NO. Y-68-A
 WICO NO. XH-1295-Y MAGNETO, WIS. MOTOR NO. Y-57-C *
 WICO NO. XH-1995 MAGNETO, WIS. MOTOR NO. Y-62



The service parts for Spec. 150-B, 1295, B, C, Y, and 1995 are identical except where noted.

| PART NO. | PART NAME | PART NO. | PART NAME |
|----------|---|----------|---|
| 3219 | Breaker arm pivot washer | X5700 | Coil group (XH-1295 and Y) |
| 4210 | Breaker arm lock | X6762 | Coil group (XH-150B, 1295B, C and 1995) |
| 5077 | Cam wiper felt | 5717 | Breaker contact aligning washer |
| 5411 | Condenser clamp screw | 5900 | Fixed contact clamp screw |
| 5411 | Coil core clamp screw | X5996 | Breaker contact set (Includes fixed contact and breaker arm) |
| X5524 | Coil core group | 6017 | Breaker spring clamp screw |
| 5532 | Condenser bracket | 6468 | Breaker arm felt |
| X5614 | Condenser group | X6533 | Cover unit (XH-150B, 1295, B, C and 1995) |
| 5618 | Cover gasket | X7114 | Cover unit (XH-1295Y) |
| 5622 | Cover screw | 6732 | Coil contact spring |
| 5633 | Coil core clamp | | |
| X5654 | Ground connection unit (XH-1295, B, C, Y and 1995) | | |
| X5766 | Ground connection unit (XH-150B) | | |

* When replacing a complete magneto use Y-68-A

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WEST SPRINGFIELD, MASSACHUSETTS, U.S.A.