

LI'L HOE Adjustments/Maintenance

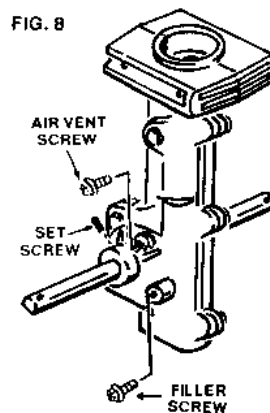
LUBRICATION OF TRANSMISSION - *(Transmission is pre-lubricated at the factory).*

At the beginning of each tilling season, the transmission should be filled with grease.

This must also be done after every 25 hours of use during the season. Replacement grease should be a high quality petroleum based grease usually available in disposable guns at most hardware or automotive parts stores.

To lubricate transmission proceed as follows:

1. Lay tiller on left side so that the tine shaft is vertical.
2. Wearing heavy gloves, remove both right side tines.
3. Remove dust cap.



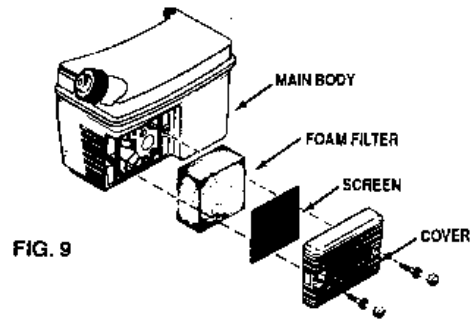
Metal dust cap is held on with a set screw. Back set screw out approximately four turns. Dust cap should then slide off of the tine shaft.

4. Remove air vent screw and fill hole screw from transmission.
5. Fill transmission by using grease gun or grease applicator at the till hole screw opening. Push gun or applicator against the opening so as to "seal" the nozzle of the gun or applicator against the casting embossment. Apply grease until grease begins to come out of top air vent hole.
6. Re-install air vent screw and till hole screw.
7. Re-install dust cap
8. Place a few drops of oil on tine shaft before installing tines.
9. Wearing heavy gloves. re-install tines. (For tine pattern, refer to Fig. #'s 11, 12 & 13.)
10. Re-install hairpin.

AIR FILTER

NEVER RUN ENGINE WITHOUT COMPLETE AIR CLEANER INSTALLED ON ENGINE.

Clean and re-oil every 3 months or every 25 operating hours, whichever comes first. Clean daily if used in extremely dusty or dirty conditions.



KEEP YOUR AIR FILTER CLEAN! As a new machine, your filter should be clean. However, after you have used this machine for awhile your filter will accumulate dirt and dust. Check the condition of your filter frequently. A dirty or clogged filter element will restrict the air flow to the carburetor, thus changing the air-fuel mix. This will create symptoms often mistaken as the carburetor being out of proper adjustment. To clean the filter follow these steps:

1. Loosen and remove two screws from cover.
2. Remove COVER, SCREEN and FOAM FILTER from MAIN BODY.
3. Inspect SCREEN(S) and FOAM FILTER for discoloration or dirt accumulation. Clean if either is present.

TO CLEAN SCREEN

- (a) Wash SCREEN in water and detergent solution.
- (b) Rinse thoroughly in clear water. then air dry.

TO CLEAN AND RE-OIL FOAM FILTER

- (a) Wash FOAM FILTER in water and detergent solution and squeeze (don't twist) until all dirt is removed.
- (b) Rinse thoroughly in clear water.
- (c) Wrap in a clean cloth and squeeze (don't twist) until completely dry.
- (d) Saturate FOAM FILTER with clean engine oil, squeeze (don't twist) to distribute oil and remove excess oil.

4. Clean inside of COVER and BODY thoroughly.
5. Reassemble AIR CLEANER as shown in Figure 9.

SPARK PLUG

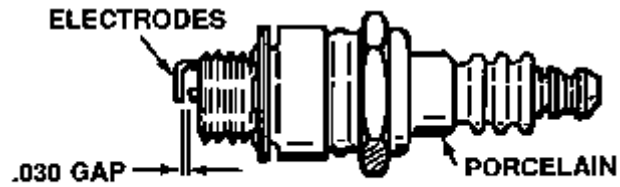


FIG. 10

1. Clean area around SPARK PLUG base.
2. Remove and inspect SPARK PLUG.
3. Replace SPARK PLUG if ELECTRODES are pitted or burned or if PORCELAIN is cracked.
Replace as follows:

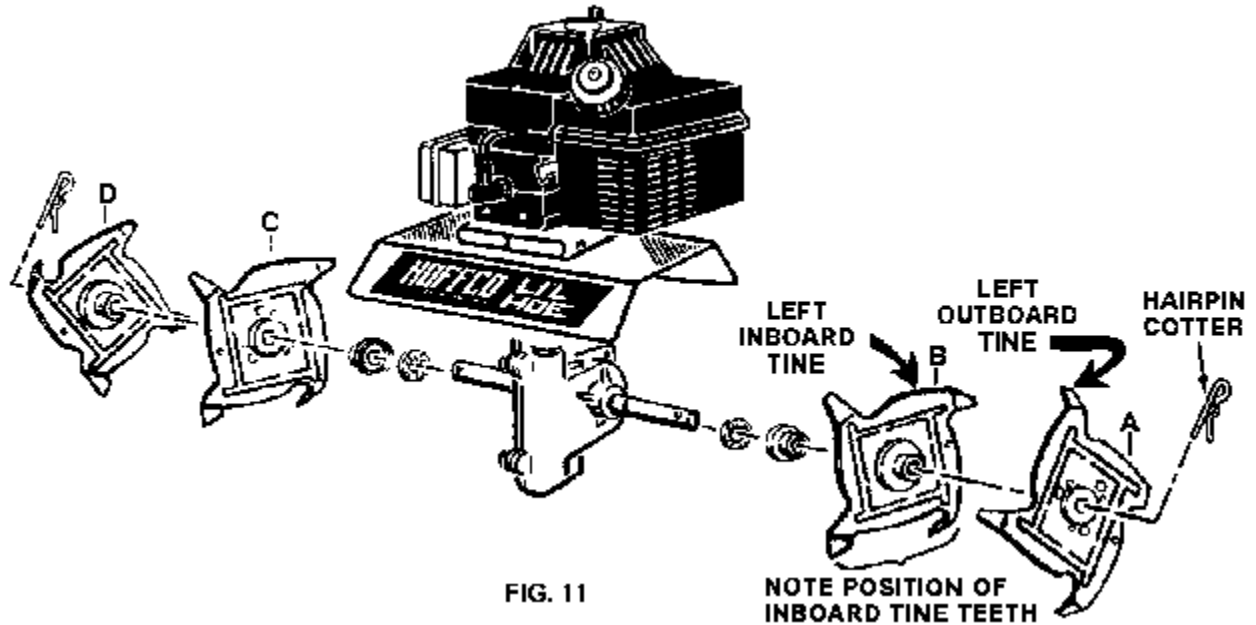
For TC200 use Champion CJ-8Y or equivalent.

For TC300 use Champion CJ-6Y or equivalent.

NOTE: In Canada, replace spark plug with a resistor plug.

4. If reusing SPARK PLUG clean it by carefully scraping ELECTRODES (don't wire brush or sand blast). Be sure entire SPARK PLUG is clean.
5. Check ELECTRODES GAP with wire feeler gauge and set gap at .030 if necessary.
6. Install SPARK PLUG in engine and tighten to 15 foot pounds torque or if lacking torque wrench, tighten securely.

TINE REPLACEMENT



Remember that right and left sides of your unit are determined from the operators position behind the unit. Note that all four tines of this unit are different and must be installed correctly or tiller will not function properly. Tines will wear and become quite sharp. Be very careful-when replacing tines. If tines are being replaced due to wear, all four tines should be replaced as a set.

⚠ ALWAYS MOVE SWITCH TO "OFF" POSITION AND REMOVE SPARK PLUG WIRE BEFORE REPLACING TINES.

1. Remove hairpin cotter from tine shafts.
2. Wearing heavy gloves, remove tines.
3. Clean tine shaft. Apply a few drops of oil
4. For regular tine pattern, install inboard tines, being careful to install tine with stamped letter "C" on right side of tiller and tine with stamped letter "B" on left side of tiller. (NOTE: inboard tines have tines formed in opposite direction.)
5. Install outboard tines, again being careful to install tine with stamped letter "D" on right side and tine with stamped letter "A" on left side. (NOTE: Outboard tines have tines formed in one direction.)
6. Install hairpin cotters through holes in shaft.