ELECTRICAL SYSTEM

The roller starting circuit has three major points of concern; these are the master electrical system switch, the neutral start switch, and the ignition switch. All three of these must be activated before the engine will start.

The master electrical system switch is a toggle switch that is always "off" in the vertical position (Fig. 6, pg. 3).

The ignition switch (Fig. 9, pg. 3) is a three position toggle switch: Off, on, and start. The start position is spring-loaded back to the run position

NEUTRAL START SWITCH

This roller is equipped with a neutral start switch (Fig. 40) which prevents the engine from starting unless the hydrostatic transmission is in neutral. The neutral start switch is mounted on a plate attached to the pump mount. This switch is energized by a set screw which is mounted in the end of the transmission control arm (Fig. 40).

NEUTRAL START SWITCH ADJUSTMENT

Should this switch be inoperative or out of adjustment, it can be adjusted as follows:

If engine will not start, visually check the neutral start switch and verify that it is energized by the set screw.

If the neutral start switch is not energized, move the speed control lever until the set screw energizes the neutral start switch, or manually depress the neutral start switch to start the engine.

After starting the engine, move the speed control lever to the neutral position and shut off the engine.

Visually check and make certain that the roller on the neutral start switch is directly under the set screw on the transmission control arm.

If necessary, loosen the set screw mount plate and move the set screw to the position described above (Fig. 41).

If the set screw in the transmission control arm does not extend out far enough to energize the neutral start switch, loosen the lock nut and turn the set screw clockwise until the neutral start switch is energized. Tighten the locknut (Fig. 42).

If the engine fails to start with the neutral start switch depressed, check the ignition system fuse (See Fig. 40-A), and circuit breaker (See Fig. 40-B). The fuse may be visually checked, however the circuit breaker must be checked with a volt-ohm meter.

If the engine still will not start, check the battery, battery cables, and connections. Also refer to the engine manual.

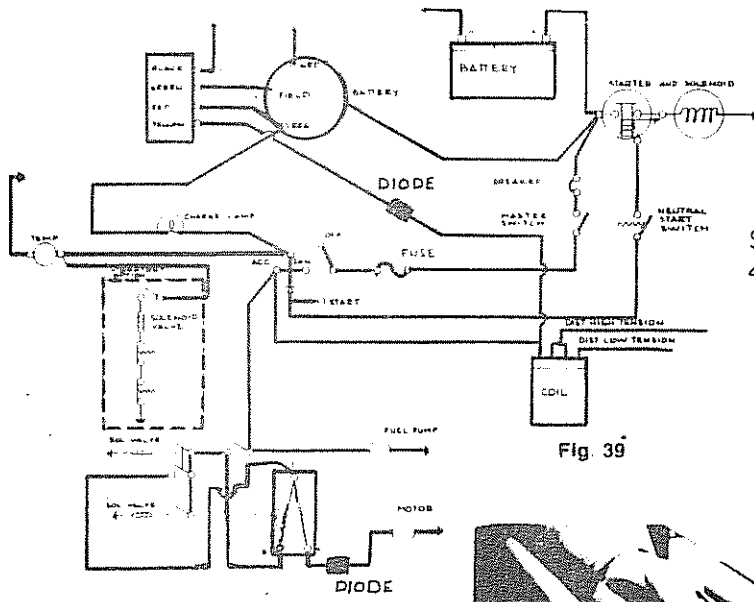
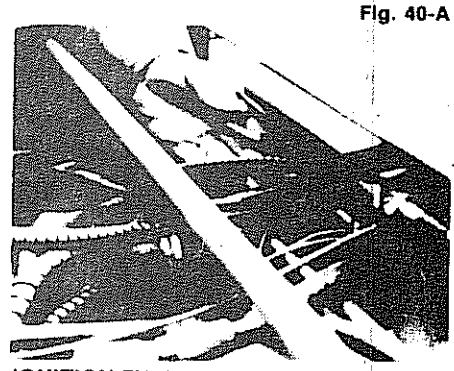


Fig. 39

NOTE:
SEE PAGES
48, 49 – 50

Fig. 40-A

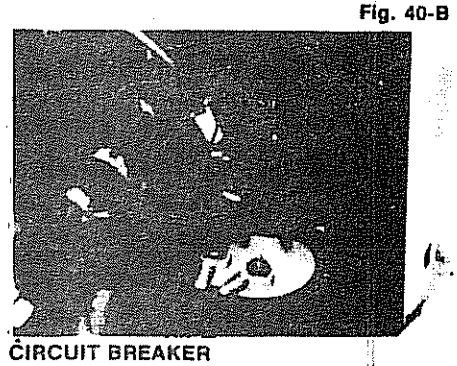


IGNITION FUSE

Fig. 40-B

Fig. 40

NEUTRAL START SWITCH



CIRCUIT BREAKER

Fig. 42

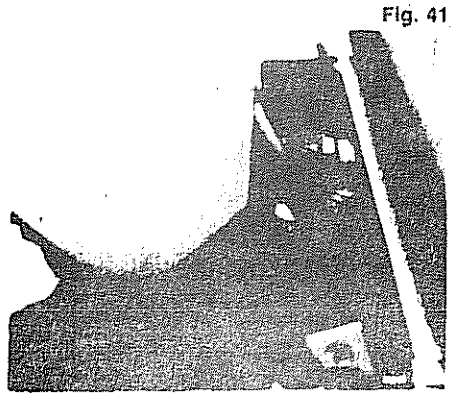
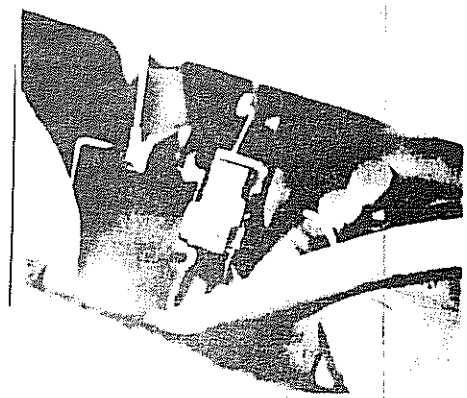


Fig. 41

LOOSEN SET SCREW MOUNT PLATE



LOOSEN LOCKNUT AND ADJUST SET SCREW