

TORO®

MODEL NO. 37-4630

**INSTALLATION
INSTRUCTIONS****ELECTRIC STARTER MOTOR KIT**

(FOR SNOWTHROWERS MODEL NO. 38090, 38150, 38160)

Since this instruction sheet covers only a minimal amount of information necessary to maintain and operate your machine, we suggest that you keep this material with your Operator's Manual so that both may be referred to for instructions concerning safe operation and proper maintenance procedures.

**INSTALL ELECTRIC STARTER
KIT AS FOLLOWS:**

1. Remove two mounting screws and remove cover over flywheel (Fig. 1).

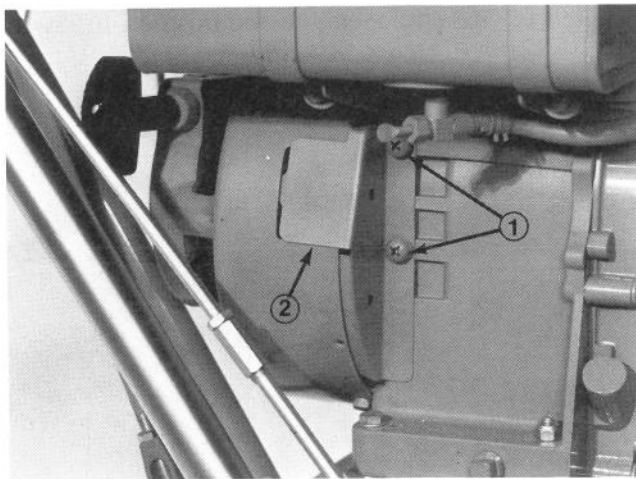


Figure 1

1. Mounting screws
2. Cover

2. Install starter motor in place and secure with two capscrews (Fig. 2).

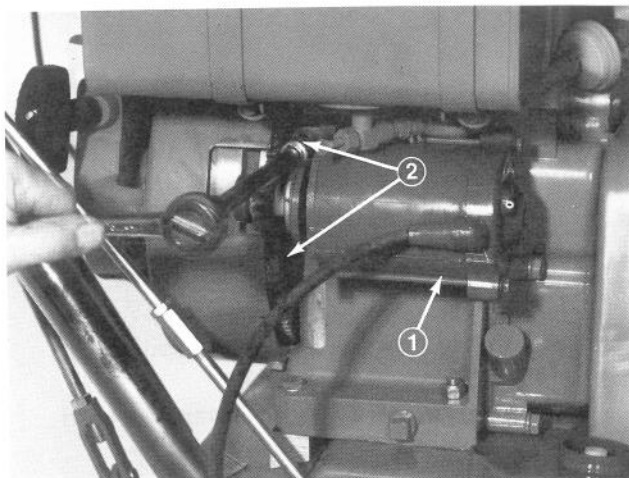


Figure 2

1. Starter motor
2. Mounting capscrews

3. Install cover over Bendix gear end of starter motor and secure with two self-tapping screws (Fig. 3).

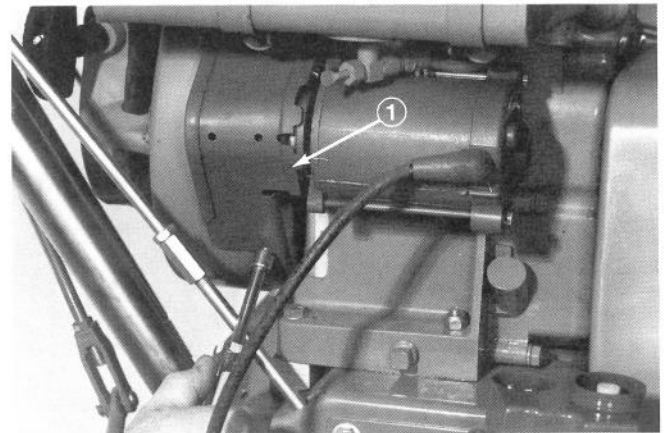


Figure 3

1. Cover

4. Loosen jam nut, thread R.H. wheel clutch rod out of coupling (Fig. 4), slip starter control between clutch rod and handle (Fig. 4) and install clutch rod back into coupling. Tighten jam nut to secure rod.

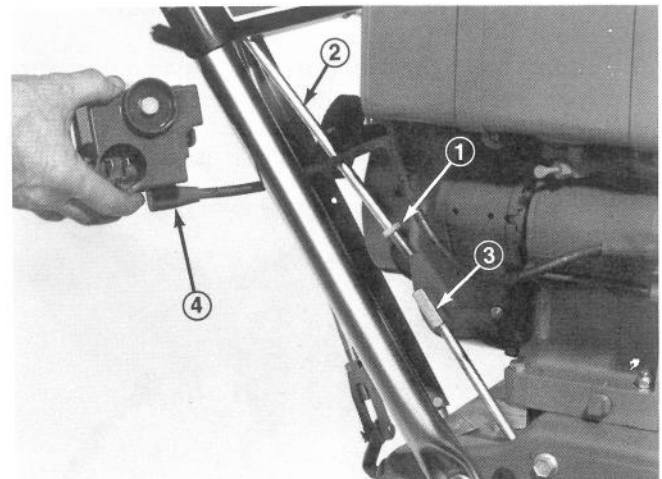


Figure 4

1. Jam nut
2. Wheel clutch rod
3. Coupling
4. Starter control

5. Install mounting bracket onto starter control (Fig. 5).

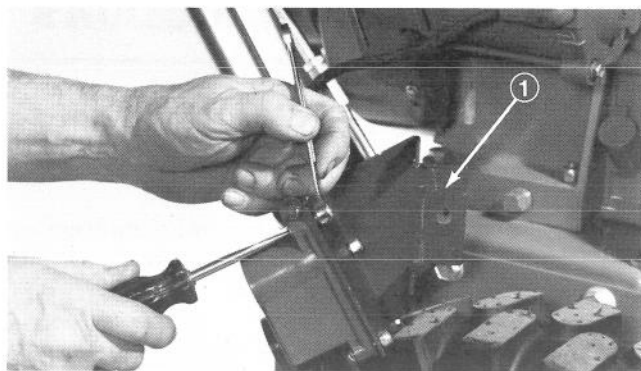


Figure 5

1. Mounting bracket

6. Remove lower R.H. mounting capscrew and nut from escutcheon plate, insert capscrew through bracket and install starter control and bracket (Fig. 6).

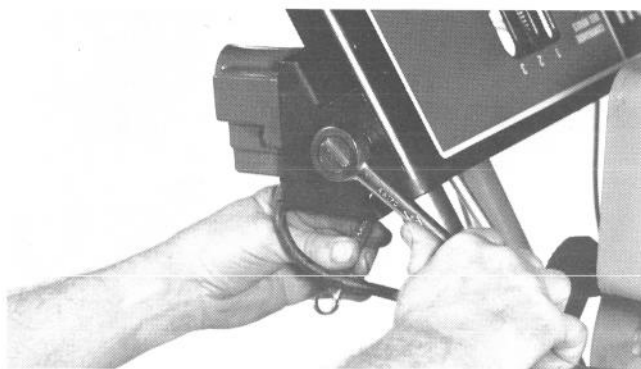


Figure 6

STARTING INSTRUCTIONS

Use only a 3-wire (grounded) receptacle as shown (Fig. 8) for starting snowthrower. Failure to observe the above could result in electric shock.

1. Insert the female end of the 3-prong cord into the male receptacle on the starter control (Fig. 7). Attach the male end of the cord into a 115VAC electrical (grounded) receptacle (Fig. 8).

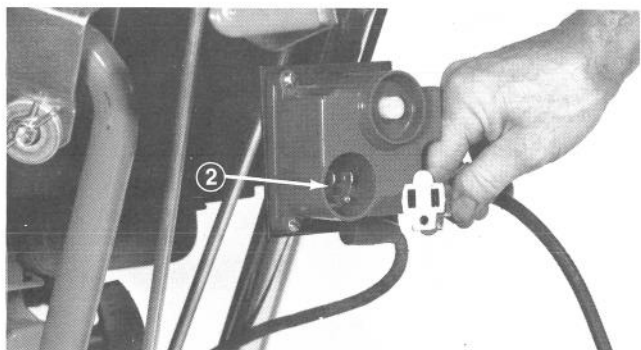


Figure 7

1. Extension cord
2. Starter control

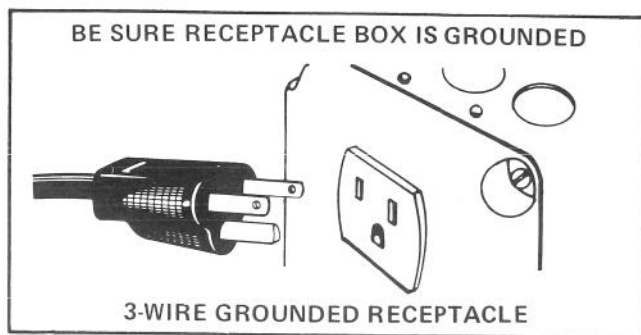


Figure 8

Note: For your protection, this starter motor is thermally protected. If overheated it will stop automatically and can be restarted when it cools to a safe temperature.

2. Place all controls in the neutral position. Place throttle control in the start position, turn ignition switch to 'ON', choke engine and push on the switch to start snowthrower (Fig. 9).

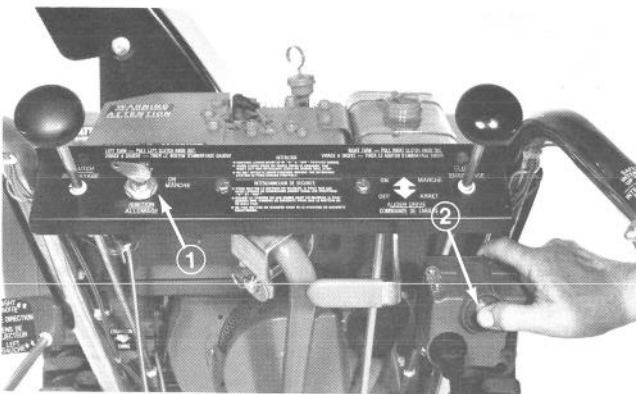


Figure 9

1. Ignition switch
2. Start switch

3. When snowthrower has started release switch, disconnect electric cord from starter control and receptacle.



WARNING

Plug extension cord only into outlet which is a grounded type (Fig. 8).

Do not plug extension cord into outlet while standing in water or when hands are wet.

Do not use or connect cord to starter control if gasoline has been spilled on starter motor.

Always replace damaged extension cord immediately.

If there is any doubt whether your receptacle is of a grounded type contact your local power company.