



PART NO. 54-9821

**INSTALLATION
INSTRUCTIONS****HEADLIGHT KIT****INSTALL LAMP ASSEMBLY (Fig. 1)**

1. Make sure engine is stopped and key is removed from ignition switch.
2. Remove lower capscrew, washer and locknut securing control panel to right handle.
3. Determine correct set of mounting holes in lamp mount and loosely secure lamp mount to control panel and handle, using lower mounting holes and fasteners previously removed.
4. Remove upper fasteners securing control panel to right handle and secure lamp mount to panel and handle. Tighten all fasteners.
5. Mount U-bracket to lamp mount with a carriage bolt, lockwasher, and nut. Do not over tighten nut or light adjustment will be impaired.
6. Mount lamp assembly bracket to U-bracket with flange head screw, (2) lockwashers, and a flange locknut. Position a washer between the U-bracket and lamp bracket on each side. Do not over tighten.

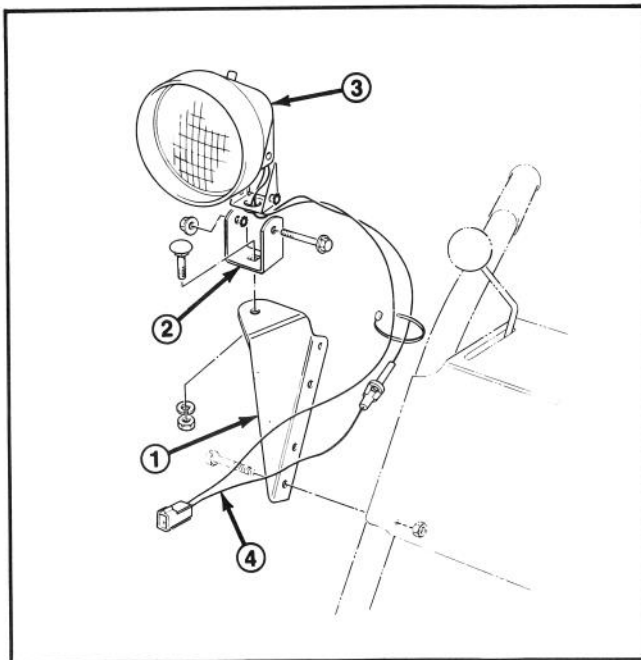


Figure 1

1. Lamp mount
2. U-Bracket
3. Lamp assembly
4. Lamp wire assembly

INSTALL ALTERNATOR (Figs. 2-4)

1. Remove (4) screws or nuts, depending on model of snowthrower, securing recoil starter assembly to blower housing. Remember position of starter handle for reassembly.
2. If recoil assembly is equipped with a center plug in housing (Fig. 2), push it out from back side and proceed to step 4, if not, refer to step 3 for further instruction.

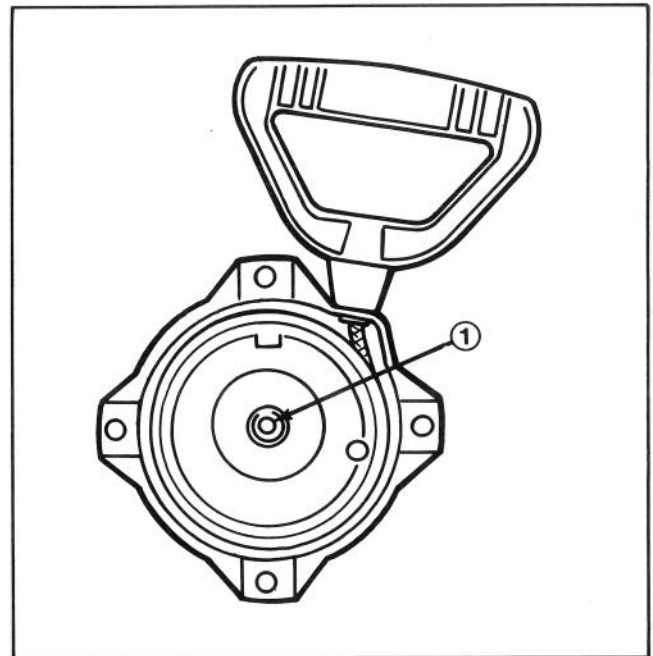


Figure 2

1. Push out center plug from this side.

3. To drill center hole in recoil housing, proceed as follows:

- a. Position recoil assembly (pulley side up) on a flat surface suitable for drilling.
- b. Using center hole in pulley assembly as a guide (Fig. 3), drill a 1/4" dia. hole through housing.
- c. Remove all debris from drill operation.

4. Locate (3) depressed drill starts in front side of housing (Fig. 4).

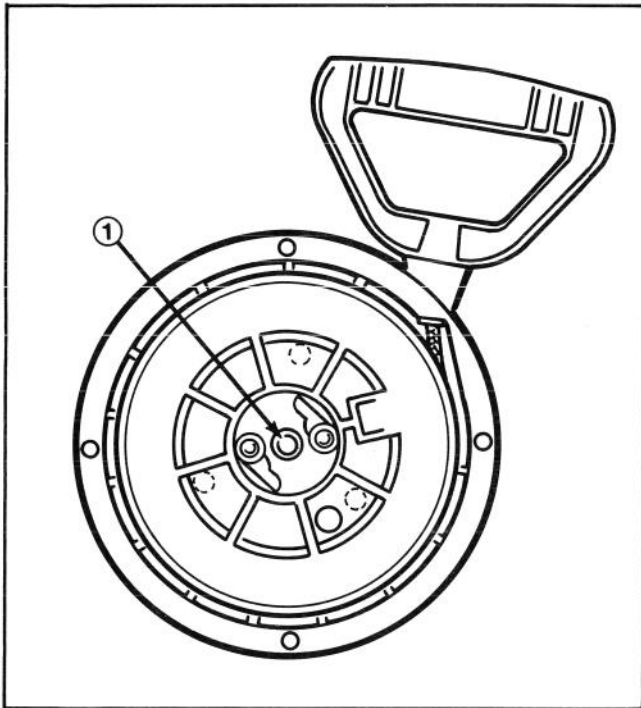


Figure 3

1. Drill out center hole from this side.

5. Drill (3) 1/8" dia. holes through housing, using caution not to hit recoil pulley under housing with drill. Remove all debris from drilling.

6. Three different alternator shafts are supplied with kit. On snowthrower model 38080 (824), use one of the longer shafts with coupler that fits on engine flywheel nut (see step 7). All other models use short shaft.

7. Insert alternator shaft coupler onto engine flywheel nut as far as possible.

8. Place centering tube onto alternator shaft.

9. Slide recoil assembly onto centering tube and align mounting holes. Make sure starter handle is in

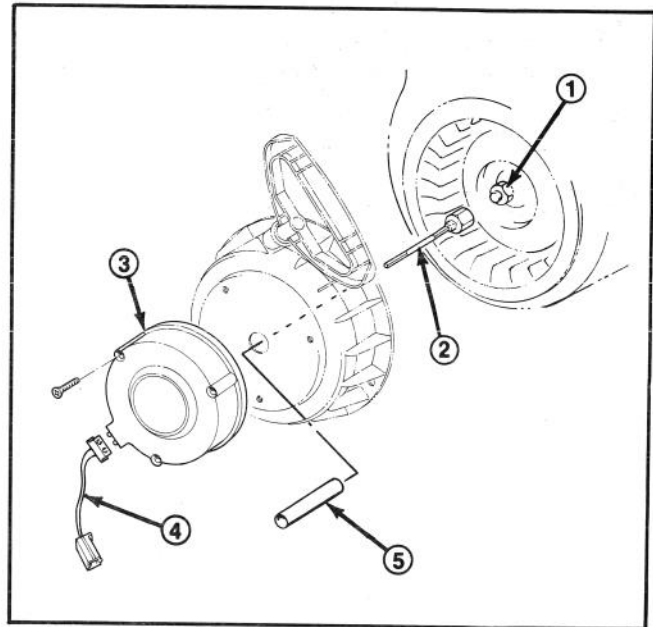


Figure 4

1. Flywheel nut
2. Alternator shaft
3. Alternator
4. Light connector
5. Centering tube

the proper location and secure assembly to blower housing with fasteners previously removed. Remove centering tube.

10. Plug light connector into alternator receptacle.

11. Slide alternator onto alternator shaft aligning mounting holes, and positioning receptacle downward and away from control lever and linkage. Secure alternator to recoil assembly with (4) self tapping screws.

12. Plug lamp wire assembly into light connector.

13. Secure wire harness to handle with tie wraps. Make sure wire harness does not interfere with operation of control levers or linkage.