



MODEL NO. 44232

INSTALLATION
INSTRUCTIONS

CUSHMAN® GA™ 60 ADAPTER KIT

CUSHMAN GA-60 ADAPTER KIT

The Cushman GA-60 Adapter kit contains the mounting bracket and wring necessary to mount the GA-60 controller to the Workman. It will be necessary to have previously installed the Hydraulic Control Kit (Model 07415) and the 5th Wheel Hitch Kit (Model 44230) on the Workman in order to use the GA-60 Aerator. In addition, it is recommended that the hand throttle and tachometer options be installed on the Workman to precisely monitor and control ground speed to assure desired hole spacing.

Read and understand the Workman, 5th wheel hitch kit, and Cushman GA-60 Aerator Operator's Manuals before using this equipment. Allow only properly trained and qualified operators to operate the equipment. All Operator's Manuals must remain on the equipment within easy access of the operator.

INSTALL POWER CABLE

1. Disconnect negative (-) battery cable.
2. Connect red lead (+) of power cable to (+) terminal on battery. Replace boot
3. Connect black lead (-) of power cable to main frame ground. (Optional: Connect black lead (-) of power cable to (-) terminal on battery.)
4. Mount power cable connector to L.H. side on 5th wheel hitch using 1 1/4" x 1-1/2" bolts.

NOTE: It will be necessary to remove power cable before removing 5th wheel hitch.

5. Reconnect the negative (-) battery cable to the battery.

MOUNT GA-60 CONTROLLER (Fig 1 & 2)

1. Mount the GA-60 controller to the mounting bracket using (1) 3/8" x 1-1/2" bolt and flanged lock nut. (See Fig. 1)

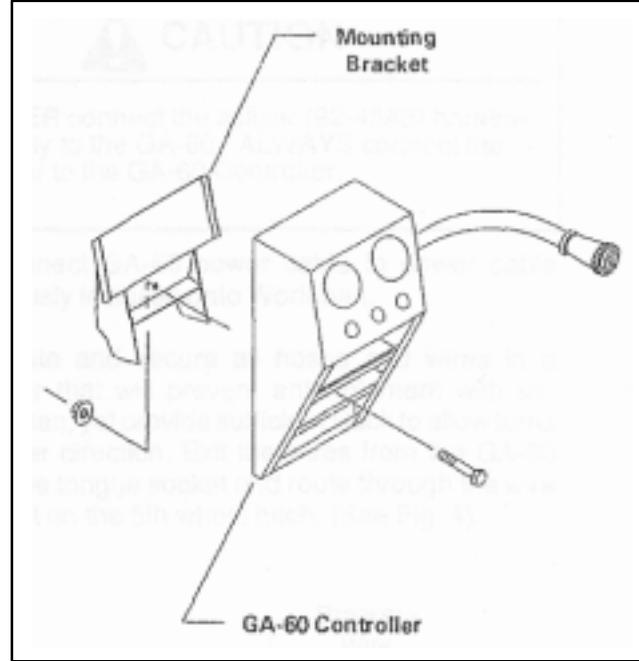


Figure 1

NOTE: The long carriage bolt, spring and spacer from the Cushman GA-60 controller bracket are not required for this mounting. Save the knob for step #3.

2. Mount the controller bracket to the R.H. shoulder restraint through the center hole on the control box bracket using a 3/8" x 1-1/4" carriage bolt (See Fig. 2)
3. Place the controller to the inside of the shoulder restraint and the clamp to the outside of the shoulder restraint. Assemble with plastic knob provided with the GA-60 controller. (See Fig. 2)
4. Tighten knob to secure controller to restraint

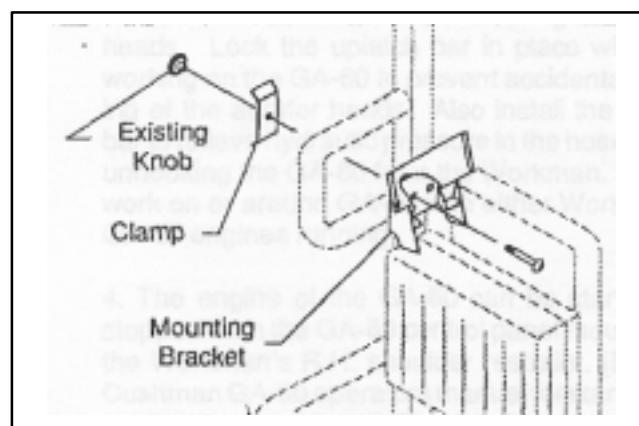


Figure 2

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"GA 60" is a trademark of Cushman.

CONNECT GA-60 AERATOR TO WORKMAN (Fig. 3 & 4)

1. Connect tongue of GA-60 Aerator to the ball of the Workman 5th wheel hitch following the procedure described in the 5th wheel hitch kit manual.

NOTE: Always apply a light coat of grease on the ball of the 5th wheel hitch before attaching the GA-60 Aerator.

2. Connect hydraulic hoses of the GA-60 Aerator to the Workman remote hydraulic quick couplers following the procedure in the 5th wheel hitch kit manual.
3. Connect (92-4543) splicer harness from brake controller receptacle on L.H. frame of Workman to GA-60 controller. Route and retain harness out of the way. (See Fig. 3)

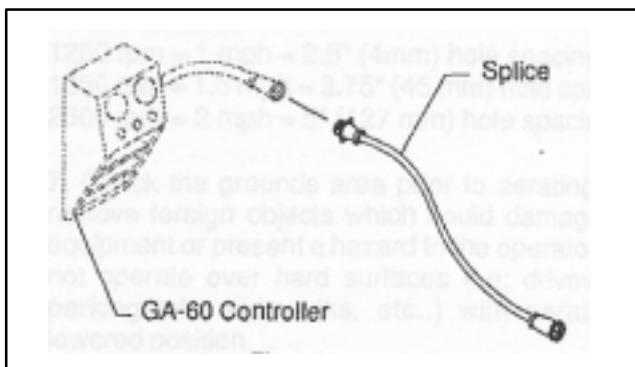
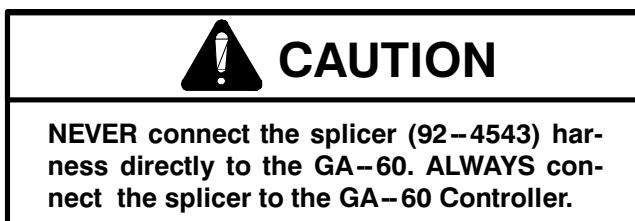


Figure 3



4. Connect GA-GO power cable to power cable previously installed onto Workman.

5. Route and secure all hoses and wires in a manner that will prevent entanglement with the Workman, yet provide sufficient slack to allow turns in either direction. Exit the wires from the GA-60 near the tongue socket and route through the wire bracket on the 5th wheel hitch. (See Fig. 4)

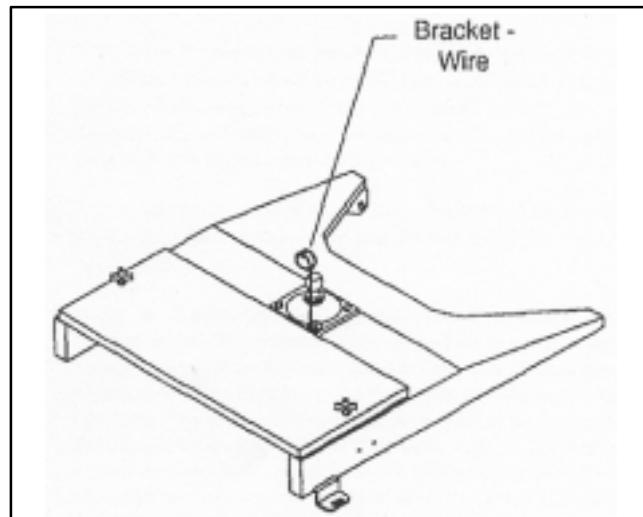


Figure 4

OPERATING TIPS

1. Familiarize yourself with all the safety, maintenance, and operating instructions described in the Workman, 5th wheel hitch kit and Cushman GA-60 Aerator and follow them. This will help to insure safe and trouble free operation.
2. Check to make sure the electric brakes on the GA-60 Aerator are connected and function before use. NEVER operate without properly functioning brakes.
3. The pin must be removed from the uplatch bar of the GA-60 Aerator before lowering the aerator heads. Lock the uplatch bar in place whenever working on the GA-60 to prevent accidental lowering of the aerator heads. Also install the uplatch bar to relieve hydraulic pressure in the hoses when unhooking the GA-60 from the Workman. NEVER work on or around the GA-60 with either Workman or GA-60 engines running.
4. The engine of the GA-60 can be started and stopped from the GA-60 control panel mounted on the Workman's R.H. shoulder restraint. (Refer to Cushman GA-60 Operator's Manual for starting and operating procedures.) The GA-60 engine speed is automatically increased and the aerator heads are automatically engaged when the aerator heads are lowered via the remote hydraulic control of the Workman.
5. Assure the hydraulic hoses are plugged into the correct quick coupler parts of the Workman. Use the Workman remote hydraulic to raise and lower the GA-60. Moving the remote hydraulic control lever rearward should raise the GA-60 and disengage the aerator heads. Moving the remote hydraulic control lever forward should lower the GA-60 and engage the aerator heads. Never place the remote hydraulic control lever in the "run" detent position.

6. Tow the GA-60 aerator in 1st – Lo @ 1–2 mph to obtain 2–1/2”–5” hole spacing. In 1st–Lo:

1250 rpm = 1 mph = 2.5" (4mm) hole spacing

1850 rpm = 1.5 mph = 3.75" (45 mm) hole spacing

2500 rpm = 2 mph = 5" (127 mm) hole spacing

7. Check the grounds area prior to aerating and remove foreign objects which could damage the equipment or present a hazard to the operator. Do not operate over hard surfaces (i.e.; driveways, parking lots, sidewalks, etc..) with aerator in lowered position.

8. Use extreme care when backing unit. **NEVER** back unit with GA-60 in DOWN position or damage will occur to tines.

9. **NEVER** run engine in a enclosed space where exhaust fumes and deadly carbon monoxide could collect.

10. ALWAYS stop both Workman and GA-60 aerator engines and DO NOT smoke when refuel–mg. Gasoline is extremely flammable and can be highly explosive.

11. Make sure all shields and guards are kept in place.

