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SPORTS CENTER
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MODEL NO.
637.25796

- assembly
- operation
- maintenance
- troubleshooting
- replacement parts

OWNER'S
MANUAL

PONG™
TELE-GAMES™
ELECTRONIC GAMES

Fits any Make or Model Black-
and-White or Color TV Set



UNPACKING INSTRUCTIONS

Lift Pong out of box and remove both white styrofoam protection pieces. Game consists of the following (see Fig. 1, "Parts of Pong Game" illustration):

- Pong Control Unit
- Four size "D" Batteries
- Game Cable to Switch Box (15 ft.)
- Switch Box
- Short piece of Twin-Lead Wire (connects Switch Box to TV)

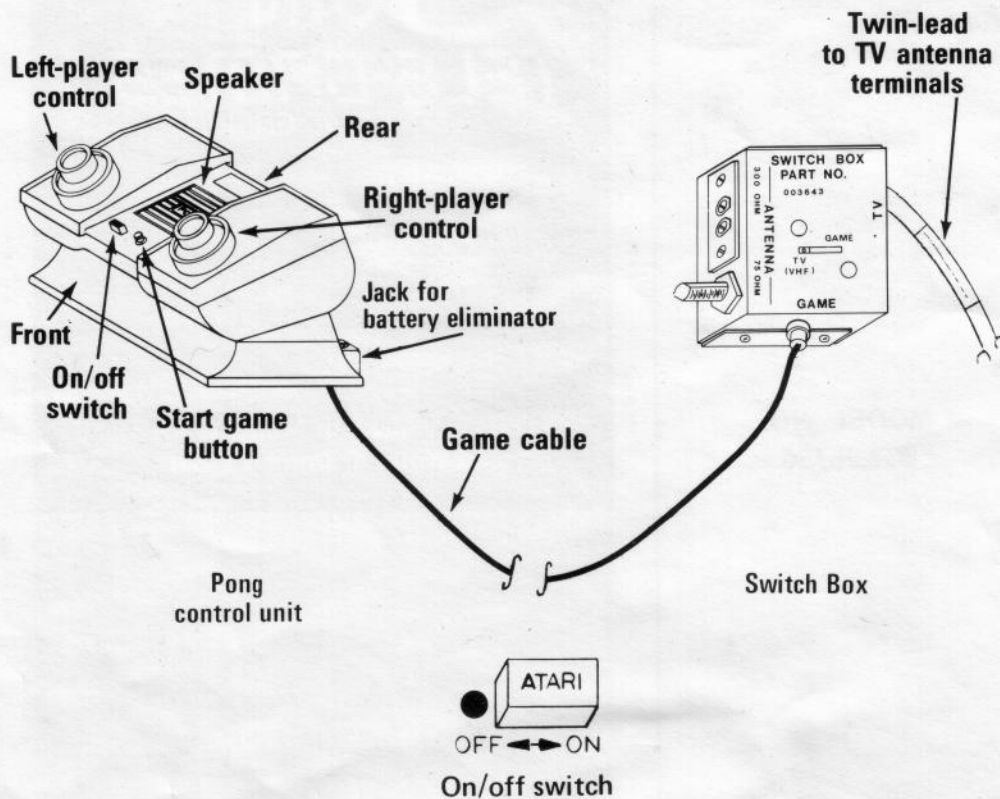


Fig.1 Parts of Pong Game

OWNER'S RESPONSIBILITY

- Avoid pouring any liquids in speaker opening.
- Avoid leaving Batteries in Pong Control Unit for a long time if not using it.

- Avoid dropping any part of game on floor or other hard surface.
- Avoid lifting game by its wires.
- Protect game from excessive heat.
- Avoid leaving game on when not in use.

INSTALLATION

1. Installing Batteries

To install Batteries, remove Battery Cover Plate as follows. Gently insert a coin or point of screwdriver in slot and pry up Battery Cover Plate. Install four Batteries in proper directions and snap Cover Plate back in place with slot facing front of Control Unit. (See Fig. 2 "Battery Compartment" illustration.)

2. Changing to Channel 4

To use channel 4 (necessary in rare cases), follow the instructions in the paragraph below.

Your Pong game is set at the factory for use on channel 3. If a station in your immediate area is broadcasting on channel 3, you may receive interference to the game. This will not happen on most TV sets, but if it does on yours, you need to switch the Pong game to channel 4.

If you must use channel 4, remove Battery Cover Plate as follows. Gently insert a coin or point of screwdriver into slot and pry up

Battery Cover Plate. This exposes Battery Compartment (see Fig. 2 below).

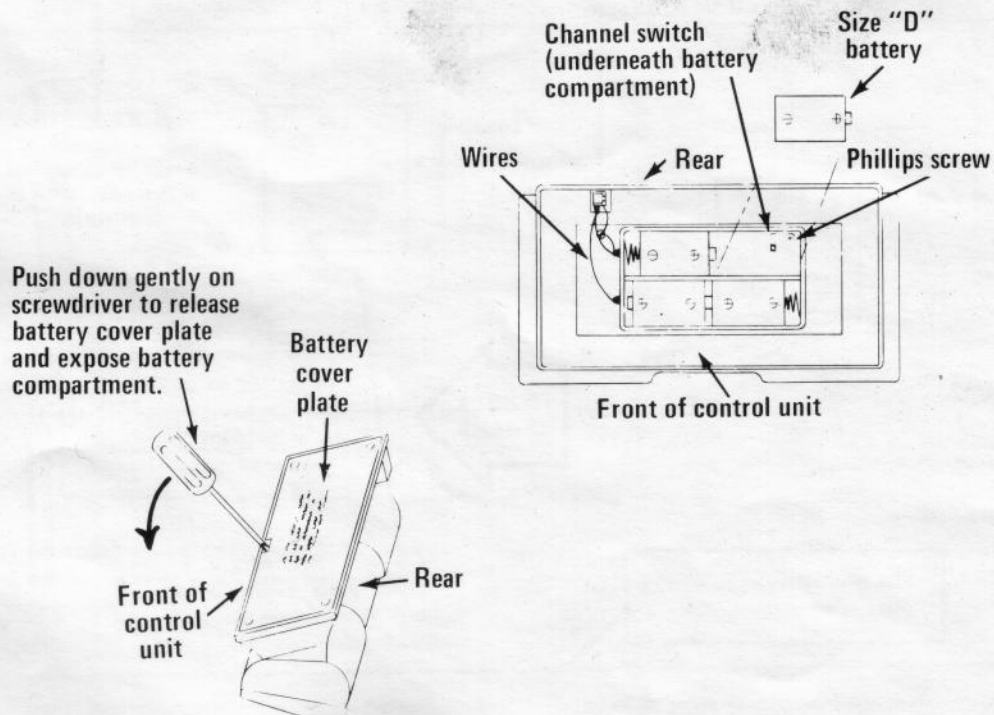


Fig. 2 Battery Compartment

Power Requirements: 6V 125 milliamps.

With a small Phillips screwdriver, unscrew Phillips Screws in all four corners of Battery Compartment. Carefully lift up Compartment, taking care not to pull on its wires. Locate small rectangular access hole underneath Battery Compartment. In that hole is the Channel Switch. Using a flashlight, push Switch to opposite side with a screwdriver. It will click to only one of two positions.

Switch towards **front** of Control Unit = channel 3

Switch towards **rear** of Control Unit = channel 4

Carefully replace Battery Compartment and its four screws; then install all four Batteries so these face in correct directions (see "Battery Compartment" drawing above). Replace Battery Cover Plate with slot facing front of Control Unit. Cover will snap into position after back tabs are positioned in case.

3. Battery Eliminator

Your Pong game requires a full 6 volts of power for proper operation (four "D" cell Batteries equal 6 volts).

If you wish to use normal house current instead of Batteries, you may order a **Battery Eliminator**, stock no. 6-25792 through Sears, Roebuck and Co. Plug Battery Eliminator into wall outlet. Plug other end of eliminator wire into jack on rear of Control Unit base (see Fig. 1).

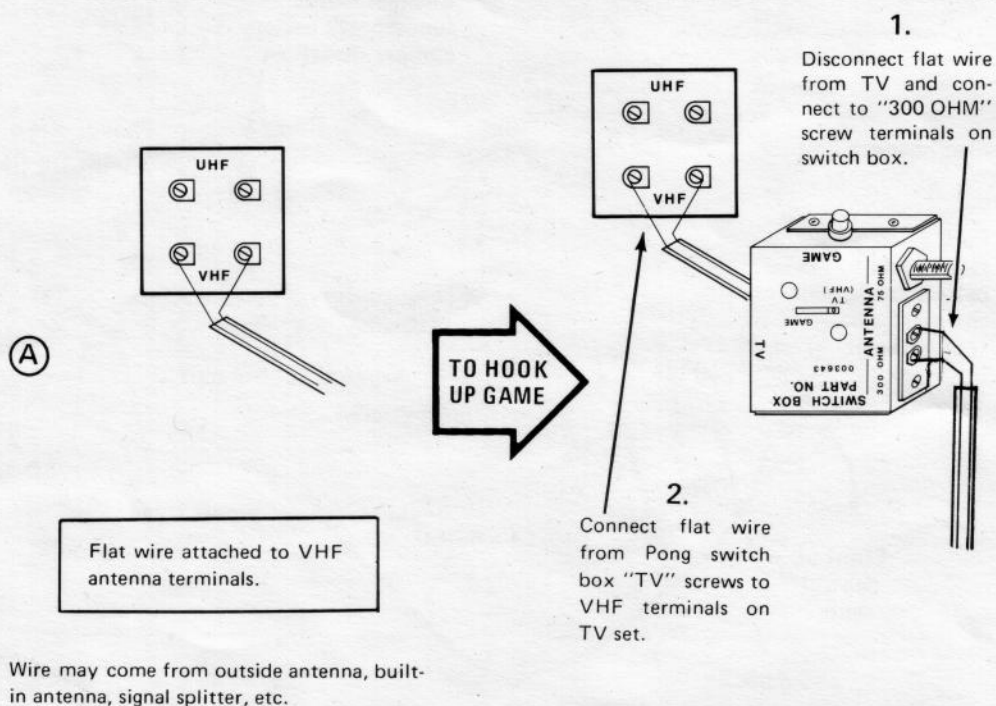
4. Switch Box

The Switch Box allows you to either watch regular TV programs or play Pong—with just a flick of the TV/Game Switch. To attach Switch Box to your TV, be sure Pong game is turned off. Plug Game Cable into socket labeled GAME on Switch Box (see Fig. 1). Then attach short Twin-Lead Wire to Switch Box at the screws labeled TV using a screwdriver. From three illustrations in Fig. 3, find picture matching your TV antenna hookup. Refer to **VHF** screws: do not remove UHF wires. Game is played on VHF only. Then hook up Switch Box as indicated. Finally, connect your antenna to either the "75 OHM" or "300 OHM" connectors on the Switch Box, as illustrated.

SELECT THE ILLUSTRATION
(A, B, OR C) BELOW THAT
RESEMBLES THE BACK
OF YOUR TV:

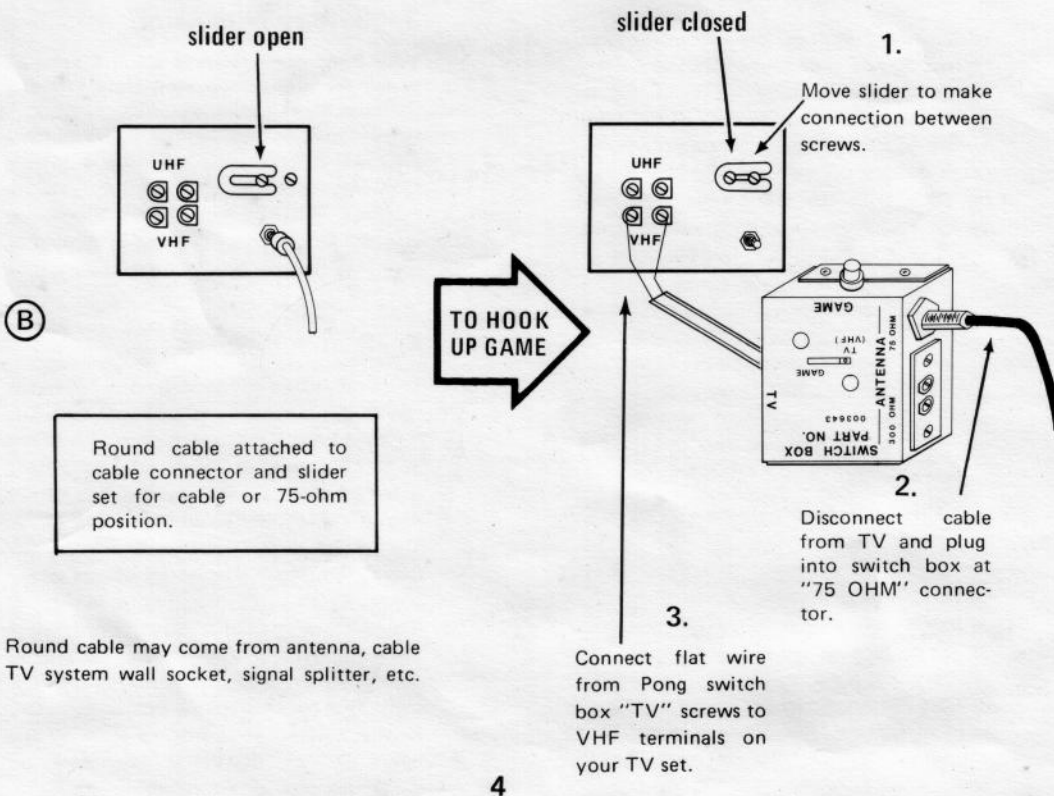
Fig. 3

THEN HOOK UP PONG BY
DOING THIS:



OR

OR



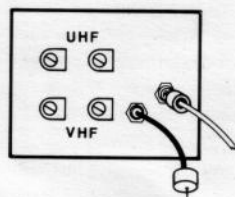
OR

OR

1.

Disconnect cable from TV and plug into switch box at "75 OHM" connector.

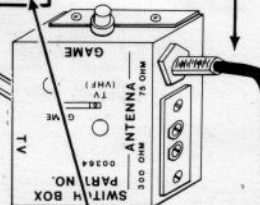
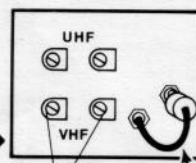
C



Short round cable comes out of rear of TV set and isn't connected to anything. Another round cable attached to cable connector.

The second round cable may come from antenna, cable TV system, wall socket, signal splitter, etc.

TO HOOK UP GAME



2.

Connect TV's short loose-hanging cable to connector next to it on TV set.

3.

Connect flat wire from Pong switch box "TV" screws to VHF terminals on your TV set.

Finally, peel off protective paper on Switch Box and press the exposed adhesive surface

of Switch Box onto any clear area at rear of TV near antenna terminals. See illustration below of installed Switch Box.

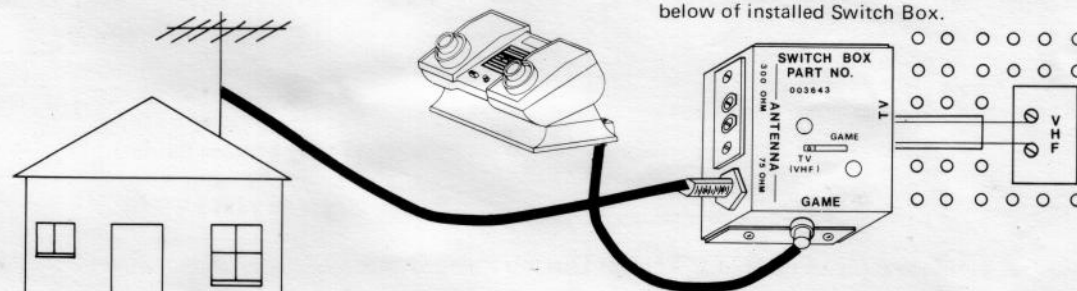


Fig. 4 Switch Box Installed

FEDERAL COMMUNICATIONS COMMISSION REGULATIONS REQUIRE THE FOLLOWING:

Do not simultaneously hook up more than one TV set to a Pong game. Avoid using any more flat Twin-Lead from Pong Switch Box to TV set than is supplied with Switch Box. Avoid connecting flat Twin-Lead coming from Pong Switch Box to any TV antenna or cable TV outlet. Avoid attaching loose wires to your TV antenna terminals when using Pong. Doing any of the above may cause interference to nearby TV sets and is against Federal Communications Commission regulations.

TO PLAY THE GAME

5. Starting

- Turn on TV/Game Switch to "GAME".
- Turn on your TV.
- Turn off "automatic fine tuning" control on your TV, if your set has such a control.
- Turn TV volume to no sound at all. The buzzing sound coming from your TV's loudspeaker is normally caused by Pong

and should be turned down to let you hear the ball bounce sound coming from Pong's loudspeaker.

- Push On/Off Switch on Pong Control Unit to right or On position, exposing bright red spot under switch. Game will display a "light show" on your TV screen with squares moving sideways (see Fig. 5).

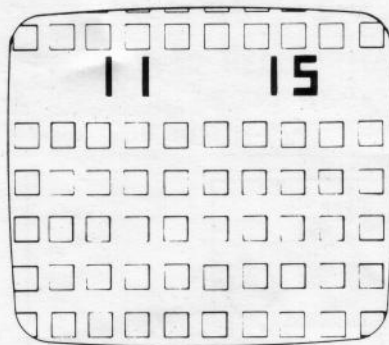


Fig. 5 "Light Show" TV Display
(Before New Game Starts)

- f) Turn TV's manual fine-tuning knob to get best picture image.
- g) Press Start Game Button and light show will disappear. Playfield will appear and game is ready to begin (see Fig. 6).

6. Play

Pong is like real table tennis games with bounce sound and moveable paddles. Turn Player Control Knobs to move each paddle. Missed or out-of-bounds ball at left or right side of TV screen scores one point for the opposing player. See Fig. 6, "TV Screen During Pong Game" illustration below. You can bounce ball off top and bottom edges of playfield. If ball goes out of bounds, it is automatically served again from a random point on net towards player who missed that hit. Be sure to hit ball squarely with center of paddle. Otherwise an "edge hit" will cause ball to shoot off at an unexpected angle—just like in real table tennis.

Each player's score is automatically displayed on player's own side of playfield. Game ends when one player scores 15 points. Light show then reappears until you start another game by pushing Start Button.

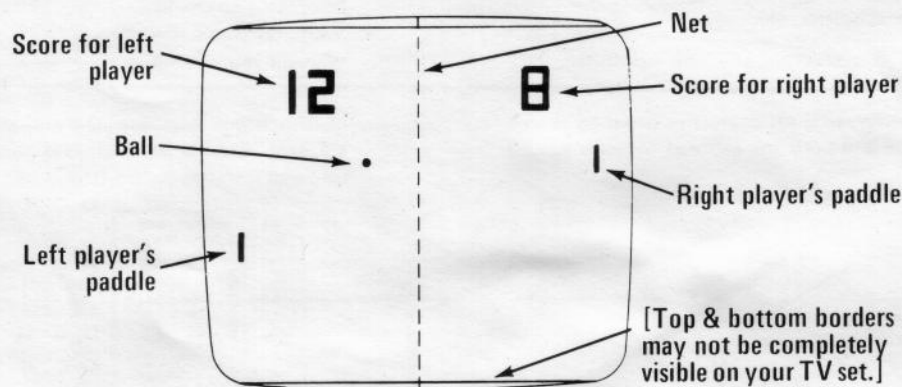


Fig. 6 TV Screen During Pong Game

7. Solitaire Game

One of Pong's most intriguing aspects is being able to play the game by yourself. In Pong, the ball can be locked into a repeating pattern for each of the angles that a ball travels. In a solitaire game, you should try to get the minimum score possible by locking up the ball and then not having to readjust the Player Controls. A score of 0-0 is the best; any other score represents misses before the lockup pattern.

The easiest lockup is done by moving the paddles so the ball bounces horizontally straight back and forth across the TV screen.

The ball can also be locked up to bounce at various angles; narrower angles are easier to accomplish than wider angles. Playing solitaire at various angles is especially challenging, because the ball cannot be locked up until the computer has stepped through all parts of the speedup sequence. This means

you must make 12 successful hits before trying to lock up the game at a certain angle.

The most difficult parts of the solitaire game are keeping the ball from touching the top and bottom playfield borders and repeating this pattern diagonally back and forth across the screen. The simplest version of angle solitaire is a top bounce, then bottom bounce, using one of the narrower angles.

8. To Watch Regular TV Programs

At end of play, **BE SURE** to turn off Pong Control Unit On/Off Switch. Otherwise you may drain batteries in Pong. To watch regular TV programs, **be certain** to slide TV/GAME Button on Switch Box to "TV" position (or interference may occur)—see Fig. 1; then turn on only the TV set. Turn on TV set's automatic fine-tuning control again, if your set has such a control.

9. Maintenance

To replace Batteries, remove Cover Plate as described under "INSTALLATION." Be sure new Batteries are facing in correct directions.

NOTE: An added feature of Pong is that you will not damage the game if they are facing in the wrong direction. However, the game will not operate until Batteries are turned to correct positions.

To avoid leakage that could damage your Pong game, Batteries should be of good quality. The size "D" Batteries required for Pong are the same as in a regular flashlight.

The base of the Pong Control Unit is designed so you can wrap the Cable and Wires around base for storage. Clean all exterior parts of game with a soft, slightly damp cloth whenever necessary.

10. Troubleshooting Checklist

Symptom	Cause and Remedy
No playfield image on TV screen or whitish-gray screen.	• Batteries low, dead, or not correctly installed. • Switch Box set at "TV." Change to "GAME." • Game Cable not properly plugged into Switch Box. • Twin-Lead Wire not properly attached to rear of TV. • Battery Eliminator unit not plugged into wall and/or Control Unit. • On/Off Switch not pushed to "On" position.
No regular TV programs.	• Switch Box set at "GAME." Change to "TV." • Antenna wire not properly attached to 300 OHM screws on Switch Box. • Twin-Lead Wire not properly attached to rear of TV.
Buzzing sound from TV loudspeaker.	• Television volume on too loud. Turn volume control down.
Playfield image clear and sharp, but bars or lines move across screen.	• Local TV station broadcasting on same channel as Pong is operating on. Change Channel Switch in control unit to other channel (see page 1). • Cable TV or community antenna leads in room or nearby are carrying both channel 3 and 4 programs. In addition owner has wired up Cable to Pong Switch Box using the small transformer with Twin-Lead Wire supplied by cable TV company. In rare cases, owner should simply remove this transformer and connect cable directly to Pong Switch Box at "75 OHM" antenna connection.
Playfield fuzzy like weak TV station signal.	• Poor connections at antenna terminals of TV set or Switch Box.
Playfield unsharp, unsteady or no color.	• TV set not fine-tuned for best picture. Use fine-tuning knob, color or tint controls on TV set to adjust.
Pong worked before, but picture suddenly unsharp, unclear or unstable.	• Batteries need to be replaced or Pong was dropped or hit, causing game to go out of tune. Re-tune fine-tuning control on TV set.
Top and bottom borders of playfield not equal distances from top and bottom edge of TV picture tube.	• Adjust vertical height control on TV set.



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HOW TO
ORDER
REPLACEMENT
PARTS

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PONG™
TELE-GAMES™
ELECTRONIC GAMES

The Model Number of your Pong game is stamped on the Battery Cover Plate. Always mention the Model Number when requesting service or repair parts for your Pong game.

Part No.	Part Name
A003640	Control Knob
003643	Switch Box
A003666	Battery Cover Plate
Purchase locally Battery, size "D"	

The parts listed herein may be ordered from any SEARS, ROEBUCK AND CO. retail or catalog store.

When ordering repair parts, always give the following information:

1. Part number
2. Part description
3. Model number
4. Name of item

FULL ONE-YEAR WARRANTY
ON PONG TELE-GAMES™
ELECTRONIC GAMES

For one year from date of purchase we will repair Pong Tele-Games, free of charge, if defective in material or workmanship.

To obtain service under this warranty, simply return the Pong Tele-Game to any Sears store throughout the United States.