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Parts and Assembly Diagrams

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Figure A: Testing Ball Feed Channel for Restrictions

Instructions: Slide ball up and down ball feed channel to make sure it moves freely without hanging up.

For model 1929:
Figure C: Oscillator Gear and Motor Assembly to Housing

For model 1929:

For model Robo-Pong 1000
Figure D: Ball Speed Motor and Wheel to Housing

For model 1929:

For model Robo-Pong 1000

Warning: Screw 56 is left-hand threaded!
Loosen by turning clockwise; tighten by turning counter-clockwise.
1) When disassembling the robot head, take care not to let Steel Ball 48 and Spring 49 fall out of Left Housing 45 since they are both small and easy to lose. Also, it helps if you disassemble on top of a towel or cloth. A small amount of grease or Vaseline will help hold them in place when you reassemble the parts.

2) In order for the two halves to come apart split the spin label with a sharp knife or razor at the seam.

3) When assembling left and right housings 45 & 46, Friction Block 57 and Spring 58 must be co-pressed slightly in order for the two halves to fit together.
Figure F: Oscillator Control Assembly

For model 1929:

For model Robo-Pong 1000
For model 1929:

For model Robo-Pong 1000
Figure H: Ball Feed Upper Guide to Back Panel

For model 1929:

For model Robo-Pong 1000
Figure I: 5 Pin Connector

For model 1929:

For model Robo-Pong 1000
Figure J: Ball Feed Main Gear and Parts

For model 1929:

For model Robo-Pong 1000
Figure K: Ball Feed Motor Assembly

For model 1929:

For model Robo-Pong 1000
For model Robo-Pong 2000 (manufactured after 1/1/99)

For model 1929

For model Robo-Pong 1000
Figure M: Net Assembly

For model 1929:
Figure N: Robot Body Assembly
Figure N: Robot Body Assembly

For model Robo-Pong 2000  (Manufactured after 1999)
Figure N: Robot Body Assembly

For model 1929:
Figure N: Robot Body Assembly

For model Robo-Pong 1000
Figure O: Component Locator for Control Box Circuit Board

For model 1929:
Figure P: Control Box Schematic Design
Figure P: Control Box Schematic Design

**Test Pt.** | **Function** | **Typ. Reading (DC volts)**
---|---|---
1 | Ball Frequency SW | Off 0V On 19V±1
2 | Ground or Common | 0V
3 | Ball Speed | Slow 0V Fast 8.35V
4 | Raw Power Supply | 19V±1
5 | Ball Frequency | Slow 0V Fast 7.9V
6 | Oscillator Speed | Slow 0V Fast 8.3V
7 | Oscillator Speed SW | On 0V On 19±1

*Conditions:* 12V AC Adapter, in 120VAC, Power Switch On (Lighted), Sensors Disconnected, Scoreboard Disconnected