

#1
Gauge



WATCH TOWER

INSTRUCTION MANUAL ART- 7109-01

ARISTO-CRAFT TRAINS

020193 REV

INTRODUCTION

Dear Model Railroader:

Should you have any questions about operations, proper usage, or maintenance required on ARISTO-CRAFT TRAINS #1 GAUGE 1/29th Scale Model Railroad products, please contact us at the following address:

ARISTO-CRAFT TRAINS/Polk's Modelcraft Hobbies Inc.
698 south 21ST., Irvington, NJ 07111 USA

Our phone lines are open from 10:00AM to 5:00PM (EASTERN STANDARD TIME) Monday thru Friday at (973) 351-9800

The following instructions are intended to help you understand and operate all the features built into this product.

Good Railroading!!!!

ARISTO-CRAFT TRAINS
698 SOUTH 21ST STREET
IRVINGTON, NJ 07111

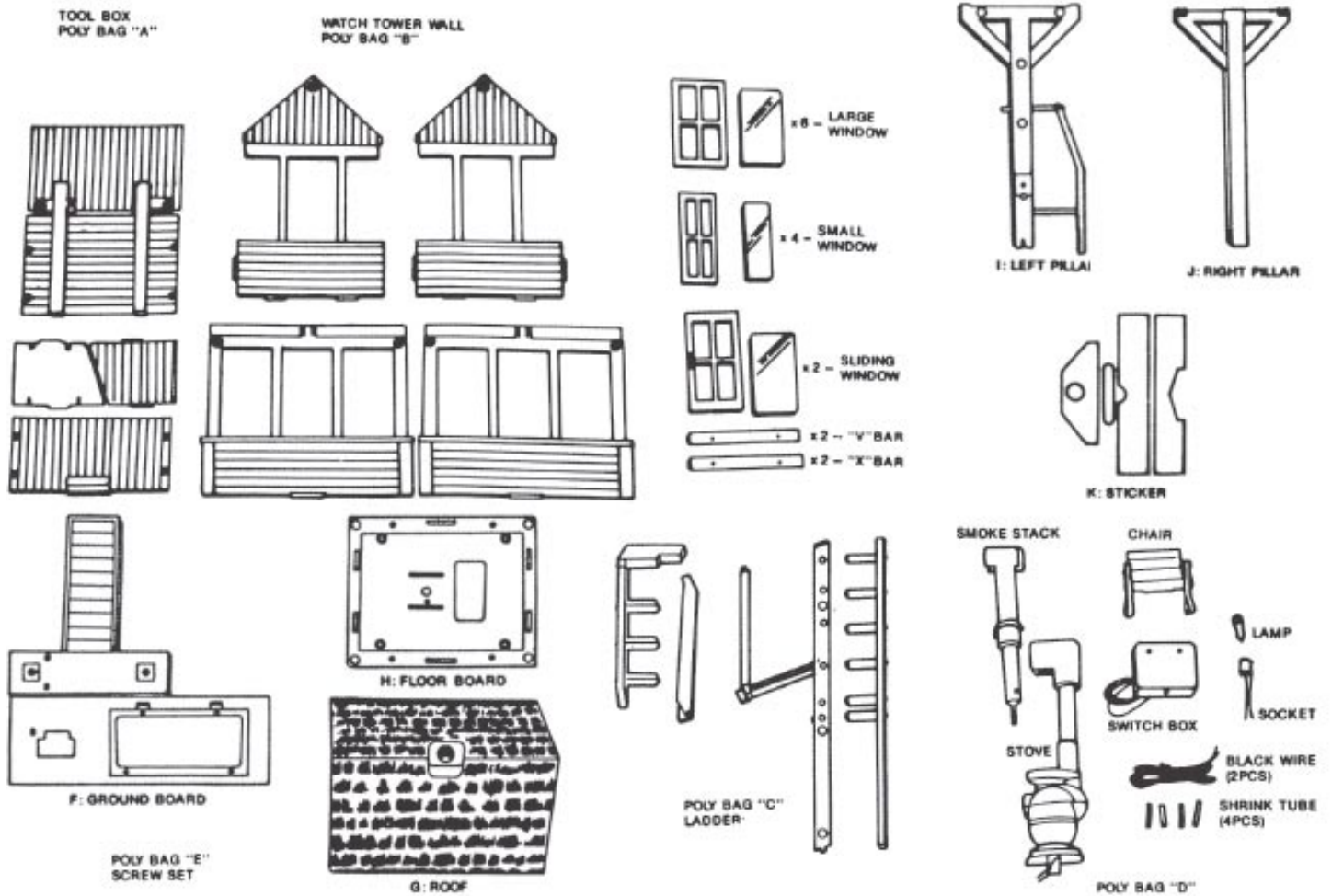
PHONE: 973-351-9800
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www.aristocraft.com

ARISTO-CRAFT TRAINS

1. REQUIRED BEFORE ASSEMBLY

1. Liquid plastic cement or super glue
2. Phillips screw driver (small)
3. Heat gun (if available)

PARTS



2. SUB ASSEMBLY

2-1 Tool box assembly("A")
 Open bag "A" and assemble as figure(1)
 screw 2x8 8EA TOOL BOX
 screw 3x8 4EA GROUND BOARD

2-2 Watch Tower Wall assembly("B")
 1. Attach acryle window panes on window frames using super glue. Be careful not to drop glue on pane as it will become foggy.

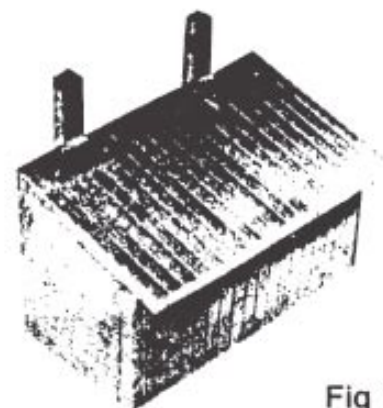


Fig 1

2. Attach assembled window frames on wall then glue except sliding windows.
3. Place sliding window frame on wall and put V-bar(on top) and x-bar(on bottom) and screw. (fig 2)
4. Complete assembly of walls by using screw from bag "B" which will look like(fig 3).

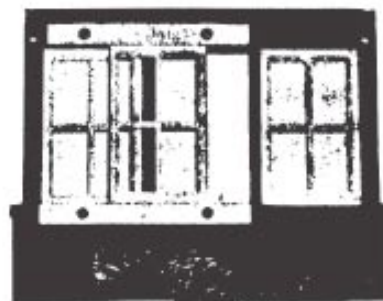


Fig 2



Fig 4-1

2-3 Ladder assembly("C")

1. Assemble as(figure 4-1) and glue.
 2. Attach ladders as(fig 4-2)
- (note)Do not use glue now. Apply glue later after ladder is attached in its place.



Fig 3

3. ASSEMBLY

3-1 Left pillar assembly(bag "D") (fig 5)

1. Attached switch box(factory assembled) on pillar then fix with screw from bag "E". Thread wires(2 red, grey, green) through bottom hole.
2. Flip left pillar and push down both red wires towards bottom side in wire slots. The gray and green wires should be pulled towards top side and pushed in slots as well.
3. Take out 2 black wires(different length) from bag "D" and again push in the wire slots together with above 4 wires. The wire length should be same as the red wire on bottom and one black will be same length as green(short) and one as gray(long).



Fig 4-2

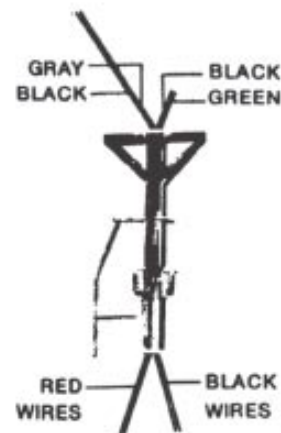


Fig 5

4. Apply some glue in slots over wire while pulling both end of wire tight so that wires stays inside the slot.


3-2 Left pillar(I) and ground board(F) assembly.: (fig 6)

1. Thread 4 bottom wires(2 red, 2 black) through right hole (outside) in pillar slot then plug in pillar to ground board(F)
2. Use screw "E" to fix pillar from bottom.



Fig 6

3-3 Attach floor board(H) on left pillar(I)

1. Thread 2 long wires(gray/black) through wire hole (Y)
2. Thread 2 short wires(green/black) through wire hole (Z)
3. Fix floor board(H) on left pillar (I) using 2 screw "E" as(fig 7).
4. Thread shrink tubes from bag "D" in both wires.
5. Take out stove from bag "D" then connect green wire to green and black to black wire. Cover wire connection with shrink tube then apply heat.
6. Apply glue on stove bars then attach stove. Try to push excess wires under the stove to conceal. The stove should be placed sideways as per(fig 8) otherwise the smoke stack will not align with stove.
7. Connect wires(gray/black) of lamp socket to remaining wires same as above para 5.
8. Attach sticker shaped() beneath floor board to conceal wires.

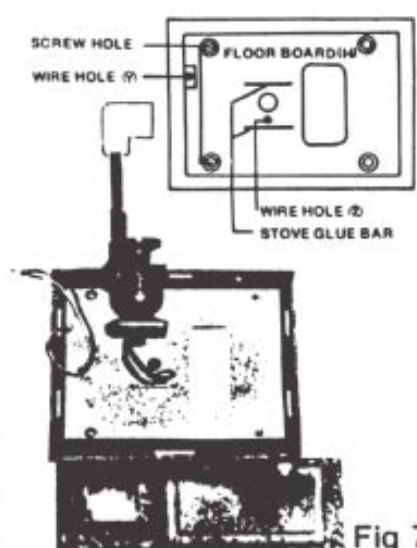
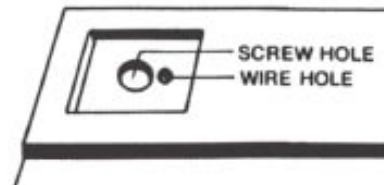


Fig 7

3-4 Attach ladder(assembled in 2-3) and right pillar(J)

1. Carefully plug in the ladder assembly as per(fig 8). (note)Do not use glue yet.
2. Attach right pillar(J) using screw "E" on bottom and top.
3. After checking all the pieces are fit snugly into its correct slots, apply glue for firmer assembly.



Fig 8

3-5 Attaching wall assembly(2-2) (fig 9)


1. Place assembled wall on floor board and fasten 4 screws "E".
2. Plug in lamp socket in either side of socket receptacle. Push in wire in slot and attach sticker shaped () to conceal wire and have better reflection.
3. Screw lamp in socket.
4. Place chair from bag "D" in any adequate place and fix with glue.



Fig 9

3-6 Attaching roof and tool box(2-1)

1. Apply remaining 2 stickers on either side of inside roof as (fig 10).
2. Place roof facing the sticker side to the lamp. Fasten 2 screws "B" on side.
3. Place assembled tool box(2-1) on ground board and fasten 4 screws from bag "A".
4. Plug in smoke stack from bag "D" through chimney.

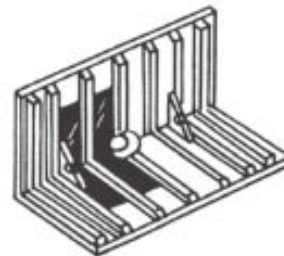


Fig 10

3-7 Final wire assembly and checking(fig 11)

1. Connect Red-Red wire and Black-Black wire on ground board.
2. Plug in Red/Black wire to 12V DC power source.
3. Open switch box and turn light switch on(left side). The light switch is the one in front and smoke switch is in the rear. Check to see if the lamp is lit. If not, check all connections and light bulb.
4. Pour smoke oil(use ART29601 SMOKE FLUID) and turn smoke switch on. It will start to smoke in several minutes.
(Important) Do not turn smoke switch on without smoke oil added. otherwise smoke stack may burn out.

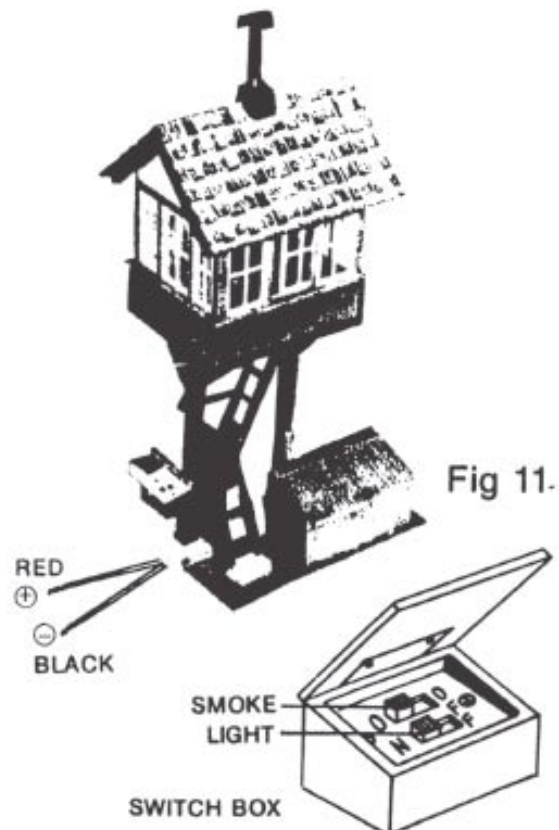


Fig 11.

<u>PART#</u>	<u>DESCRIPTION</u>	<u>COST</u>
7109-01	Instruction Manual	\$ 1.00
7109-02	Toolbox Top	2.00
7109-03	Toolbox Side (Left)	2.00
7109-04	Toolbox Side (Right)	2.00
7109-05	Toolbox Bottom Assembly	4.00
7109-06	Tower Wall-END	2.00
7109-07	Tower Wall-SIDE	2.00
7109-08	Window-LARGE	1.00
7109-09	Window-SMALL	1.00
7109-10	Window-Sliding	1.00
7109-11	Clear Insert-LARGE	1.00
7109-12	Clear Insert-SMALL	1.00
7109-13	Clear Insert-Sliding	1.00
7109-14	V Bar	1.00
7109-15	X Bar	1.00
7109-16	Roof	10.00
7109-17	Ground Board/BASE	15.00
7109-18	Floor Board	13.00
7109-19	Pillar-LEFT	2.00
7109-20	Pillar-RIGHT	2.00
7109-21	Sticker Package	4.00
7109-22	Ladder (4 pieces)	6.00
29300	Operating Smoke Stack	14.50
7109-23	Stove w/o Smoke Stack	8.00
7109-24	Chair	1.00
7109-25	Electrical Switch Box	10.00
7109-26	Shrink Tube (4 pieces)	1.00
29403	Assorted Screw Set	4.98
29502	Lamp/Bulb (10 pieces)	7.95
29503	Lamp/Bulb w/Socket - 2	5.95
29600	Wire	2.98
29601	Smoke Fluid	3.50

Call for current prices, part numbers and availability

NOTE: When ordering replacement parts or repair request, please refer to proper 5 or 7 digit part number listed.

***Unpainted/Black plastic PART(S) will be substituted if Painted-to-match PART(S) ordered not available.

In addition to COST shown, please enclose...
 \$3.50 shipping/handling* if PART Order less than \$10.00 or
 \$5.00 shipping/handling* if PART Order \$10.00 and above.
 *This is for PART Order only, not WARRANTY Order.

SERVICE:

Should your ARISTO-CRAFT TRAINS model railroad product require warranty service, be sure to take the following steps to assure proper servicing:

1. Return product in ORIGINAL BOX, if not possible to use original box, pack product carefully in corrugated cardboard box, FULLY INSURED and PREPAID. ARISTO-CRAFT TRAINS will not be responsible for any damage or loss incurred during shipping.

2. Include a brief but thorough explanation of the problem(s) and the servicing that may be required.

3. Be sure to include your name, street address, city, state (or province), country (if outside U.S.A.), and postal zipcode along with daytime phone number including Area Code, so that you may be contacted if it becomes necessary. All identification MUST be both - INSIDE package, enclosed in letter and - OUTSIDE package, on shipping container.

4. Include proper payment for shipping/handling -

Locomotive, Complete Set.....\$10.00 US
 Accessories, switch-track,
 individual engine/assembly,
 railcars, or tender.....\$10.00 US

- with check/Money Order payable in US dollars \$ to : Polk's Hobbies. Please DO NOT SEND CASH. If your item is out of warranty, you will be contacted with the proper amount of repair costs before repairs are started.

*** C.O.D. shipping NOT included, additional cost.***

5. Ship your item(s) to:

ARISTO-CRAFT TRAINS/Polk's Modelcraft Hobbies Inc.
 698 south 21ST ., Irvington, NJ 07111 USA

Note: Immediate written confirmation of receipt of returned item(s) will be sent along with estimated repair time by ARISTO-CRAFT TRAINS Service/Repair department.

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 698 SOUTH 21ST STREET
 IRVINGTON, NJ 07111

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