

CHARCOAL FIRED PORTA-GRILL®

Section A - Trailer and Adapter Assembly

- 1) Lay trailer frame on flat surface with axle mounting brackets upward.
- 2) Attach axle assembly to frame per fig. 1A.
 - 2a) Bolt one end of leaf spring into the mounting bracket located at the left **center** of the frame using shoulder bolt and nut provided. Nut to the inside of the frame. (Shoulder bolts are the bolts with a short threaded end).
 - 2b) Do the same to the other leaf spring.
 - 2c) Place a shackle link into both the **rear** leaf spring mounting bracket and the leaf spring eye from the outside of the frame and assemble using shoulder bolts and nuts provided.
 - 2d) Do the same to the other leaf spring.
 - 2e) Make sure that all nuts are tightened securely.
 - 2f) Go back to the front leaf spring brackets and using a hammer firmly strike the head of the bolts in order to seat the bolt heads flush to the mounting bracket. Re-tighten all nuts after seating the bolts. There should be no space between the bolt heads and the brackets.
- 3) Feed wiring harness through tongue, leaving approximately 18" of wire hanging out of the tongue on the end with the safety chains.
- 4) Attach ball receiver socket to the end of the trailer tongue (with safety chains) using (2) each 3/8"-16 x 3" bolts, lock washers, and nuts provided as shown in Fig. 2A.
- 5) Attach tongue assembly to trailer frame using (2) each 1/2"-13 x 3" bolts, lock washers, and nuts provided, as shown in Fig. 2A.
- 6) Mount tire and wheel assembly on axle hubs using lug nuts provided.
- 7) Turn trailer assembly over onto the wheels.

- 8) Attach jack onto tongue as shown in Fig. 3A. Install snap ring to retain jack to mounting plate. Move jack into up and down positions to insure proper installation.
- 9) Attach tail light brackets to the rear of the trailer frame on each side using (4) each 1/4"-20 x 3" bolts, lock washers, and nuts provided, as shown in Fig. 4A. (Shorter leg of the bracket bolts to the frame)
- 10) Divide the wiring harness into a set of a yellow and brown wires down the left side and a set of green and brown wires down right side. Using black electrical tape (not included), attach these wires to the frame of the trailer per Fig. 5A.
- 11) Mount tail light with license holder and clear window on the left rear bracket with side marker toward the outside of the trailer using nuts and lock washers provided in the light kit. Mount tail light without clear license window on the right rear bracket with side marker toward the outside of the trailer using nuts and lock washers provided in the light kit. **Do Not tighten nuts yet.**
- 12) Strip 1/2" of the insulation from the end of each wiring harness wire. Connect yellow and brown wires to left-hand light by inserting the yellow wire into hole marked "Stop & Turn (yellow)". Insert brown wire into hole marked "Tail (brown)". Extra holes are spares for auxiliary use. As you bolt the tail light to the bracket, push the wires into the shallow channel on the back of the tail light. Connect green and brown wires to right-hand light by inserting green wire into hole marked "Stop & Turn (green)". Insert brown wire into hole marked "Tail (brown)". As you bolt the tail light to the bracket, push the wires into the shallow channel on the back of the tail light. Smaller holes below circuit holes on the tail lights are relief holes to be used for removal of wires. Insert a nail or paper clip into these small holes to release the clamp on the wires so that they can be removed. Attach white ground wire to the trailer tongue and frame.
- 13) Attach adapter box to trailer frame using (4) each 3/8"-16 x 3" bolts, lock washers, and nuts provided.
Note: Fender mounting holes are closest to the tail lights.
- 14) Attach fenders to adapter box using 3/8"-16 x 3/4" bolts, lock washers, and nuts provided.
- 15) (Optional) If side marker lights (amber colored) are required by local or state laws, they are provided in the lighting kit. Mounting of the front side marker lights is at customers option toward the front of the trailer on the adapter box. Holes are not provided for this option. Customer will be required to drill the mounting holes as needed. Attach the wire from the side marker light to the nearest brown harness wire using the 3M Scotchlok connectors provided. Using excess length of brown wire connect a wire from the 3M Scotchlok connectors and plug into the extra hole marked brown on the back of the tail lights.
- 16) Check trailer lights by connecting wiring harness plug to the tow vehicles connector plug. Turn on tow vehicle's headlights. Both tail lights and all side markers (if installed) should come on. The brighter stop lights should come on only when the brake pedal is depressed or when a turn signal is activated. (Key must be in "on" position.) If lights do not light, check all ground connections. If turn signals do not operate properly, check connections between tow vehicle wiring and trailer wiring.
- 17) Wiring instructions for tow vehicle connection when required. Connect the wires of the short harness connector to the vehicle wiring. Attach the brown wire to the tail light wire, the yellow wire to the left hand stop and turn wire, the green wire to the right-hand stop and turn wire, and the white ground wire to the vehicle frame. If vehicle has rear turn signals separated from the stop lights, customer will need an Andersen #5403 electronic converter (Available at your local auto or hardware store).

Section A - Trailer and Adapter Assembly

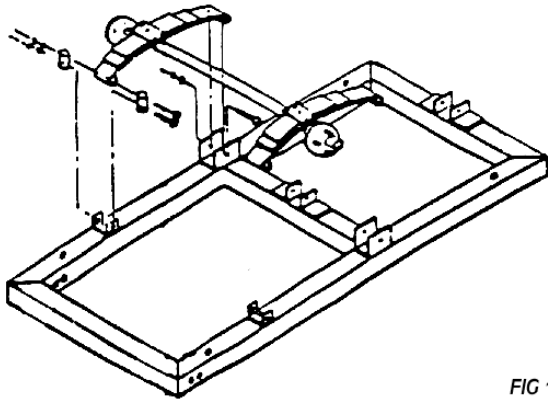


FIG 1A

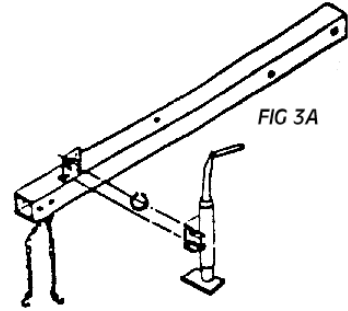


FIG 3A

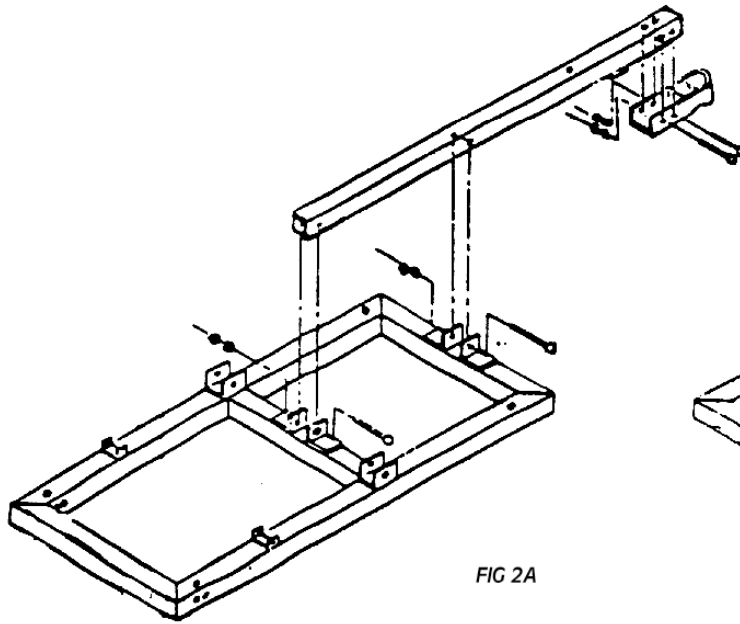


FIG 2A

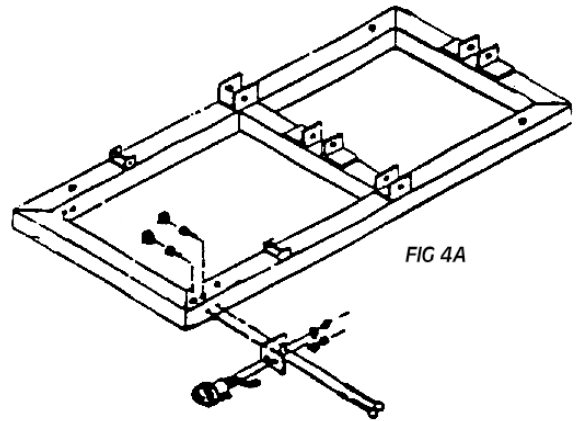


FIG 4A

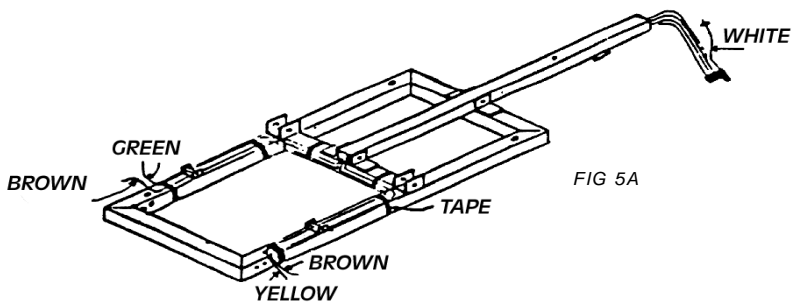
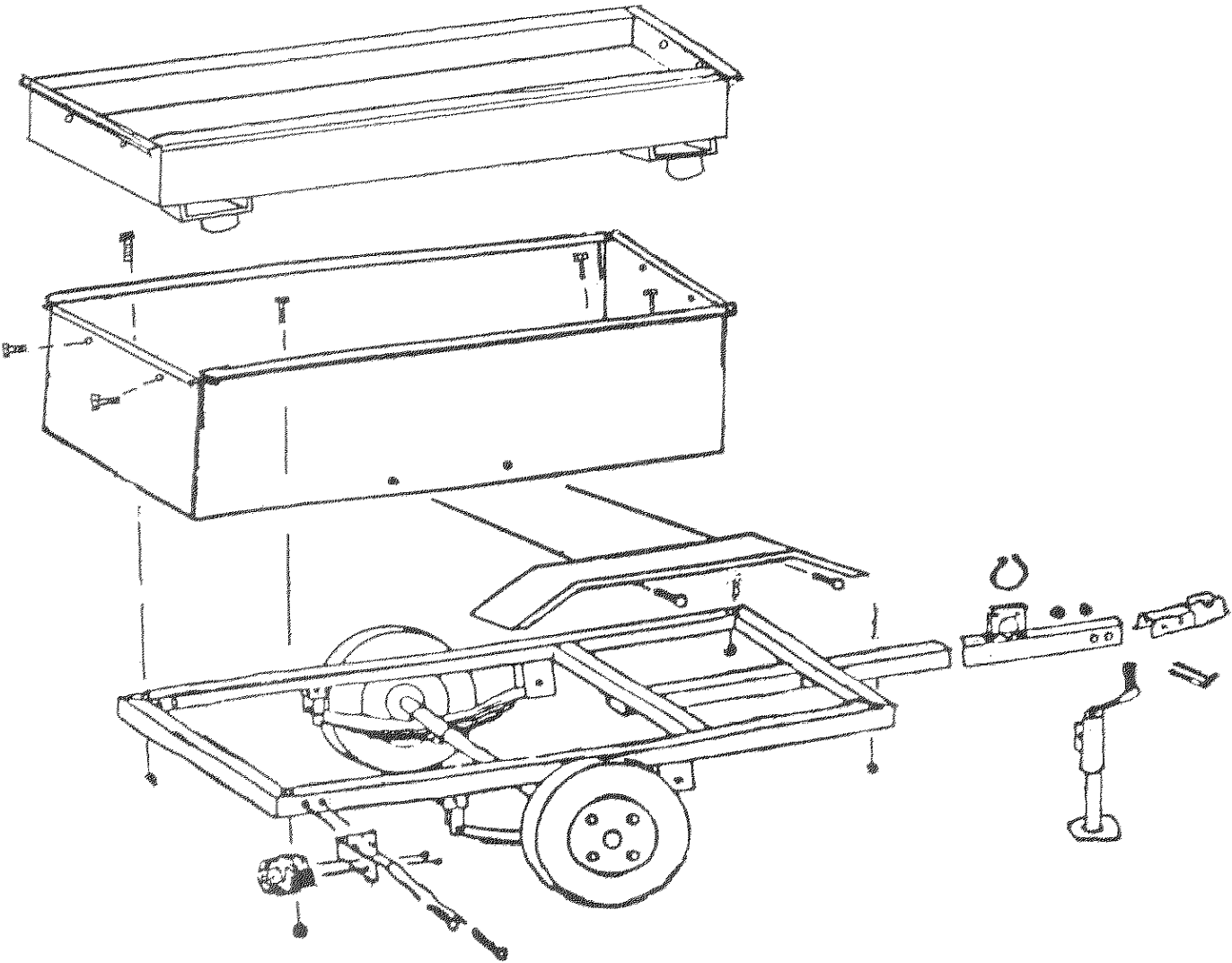


FIG 5A

Section A – Trailer and Adapter Assembly (continued)



Section B - Grill Assembly

- 1) Place firebox of grill into trailer and adapter assembly.
- 2) Attach grill supports to firebox using (4) 3/8" - 16 x 1" bolts and nuts provided. Note: Front grill support bolts go through the adapter box, firebox and then the grill support with the grill support on the inside of the firebox. Hood pin should face outward.
- 3) **Mobile-M only**
 - A) Place liner into firebox.
 - B) Place (3) charcoal grates into liner inside firebox.
- 4) Install nickel chrome plated cooking grate.
- 5) Place inner hood half over rear of grill with handles to the rear, (supporting hooks face the front of the grill). Lift ends of hood over 1/2" pivot pins one side at a time.
- 6) Place outer hood half over inner hood half with handles to the front of the grill. Lift ends of hood over 1/2" pivot pins one side at a time.
- 7) With front of the hood in half open position, install the thermometer, using the retaining clip provided to hold the thermometer in place.
- 8) Retaining hair pins should be attached to hood pivot pins.

Section B – Grill Assembly

