

53 FOOT SMOOTH SIDE

PART NO. 1303

TRAILER

WITH REEFER OPTION



1:25 SCALE • ALL-PLASTIC ASSEMBLY KIT • SKILL LEVEL 3 AGES 15 AND UP

IMPORTANT - READ THIS FIRST

Before assembling model, **study pictures carefully**. These instructions include detailed drawings and images of an actual build-up for reference. You can also refer to photos on the packaging. In addition, note the following:

- This model kit is molded of styrene plastic – **use only styrene-compatible glues or cements**.
- Apply cement to **inside surfaces only**; avoid getting cement on outer surfaces of model sections.
- **Use cement sparingly** and **avoid getting cement on hands**, so as not to mar or smear plastic surfaces.
- **Do not hurry**; work carefully and patiently.
- Before cementing, **it is advisable to assemble parts dry** (without cement) so that you may familiarize yourself with parts and fit, **noting the points where cement is to be applied**.
- For best results assemble model **in the order indicated**.

PAINTING YOUR KIT

- **Use paint that is made for use on plastic**. If you are unsure, test paint on scrap pieces of sprue before applying it to kit parts.
- This kit is designed to be built in **sub-assemblies**. We suggest that **it is best to paint each sub-assembly separately** before final assembly of the kit.

- In certain cases **it may be a good idea to paint some parts during assembly**. For example, it will be easiest to paint the assembled brake actuators before adding the brake actuator rods, which may also be painted individually before cementing in place.

DECAL APPLICATION

Decals have been provided to ensure the utmost detail and authenticity. It may also be easiest to **apply decals to sub-assemblies**. Apply decals only after paint is **completely dry**.

1. **Dip the decal in water for 10 seconds**. For best results, mix one drop of common dishwashing detergent per cup of **lukewarm** water.
2. Place wet decal face up on a paper towel and **wait 30-60 seconds** until the decal is **movable on paper backing**.
3. **Wet the area of the model** where decal will be applied.
4. Hold the decal face up, in position on model and **slide backing away** from under it.
5. Once positioned correctly, **gently smooth out decal** and **absorb excess water** with a paper towel, cotton swab or clean, soft paintbrush.
6. **Let decals dry completely** before applying any sort of dull coat or gloss coat to decal area, if desired.

KEY TO PARTS

① Plastic Part ① Decal



BEFORE YOU BEGIN

This kit includes optional parts to build a **Reefer Trailer**. It is best to decide at this point whether your trailer is a **dry goods carrier** or a **refrigerated goods carrier**. For the **Reefer** version, open all blind holes in **Trailer Front (#45)** and **Trailer Floor (#2)**; for **Dry Goods** version do not open holes.

1

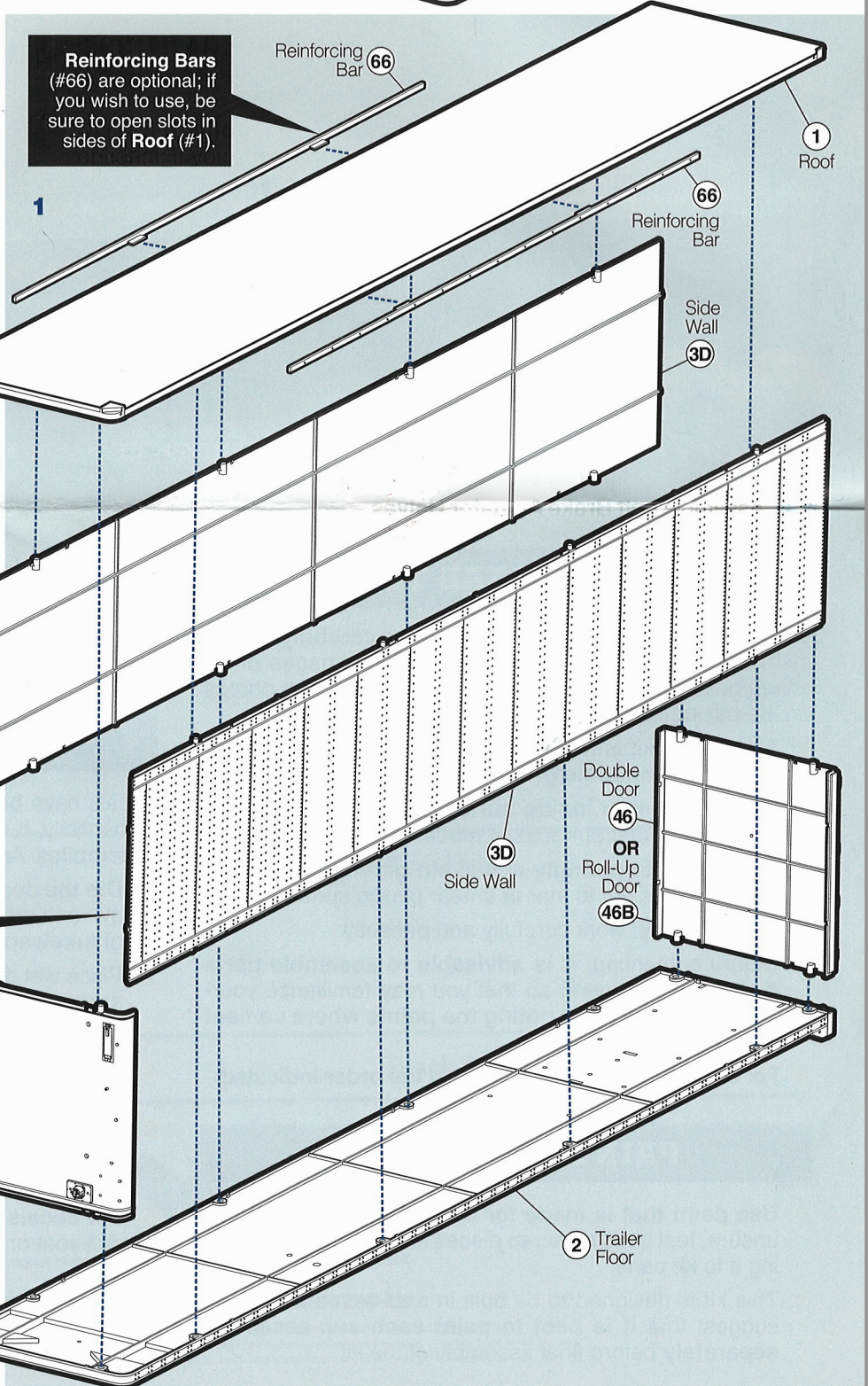
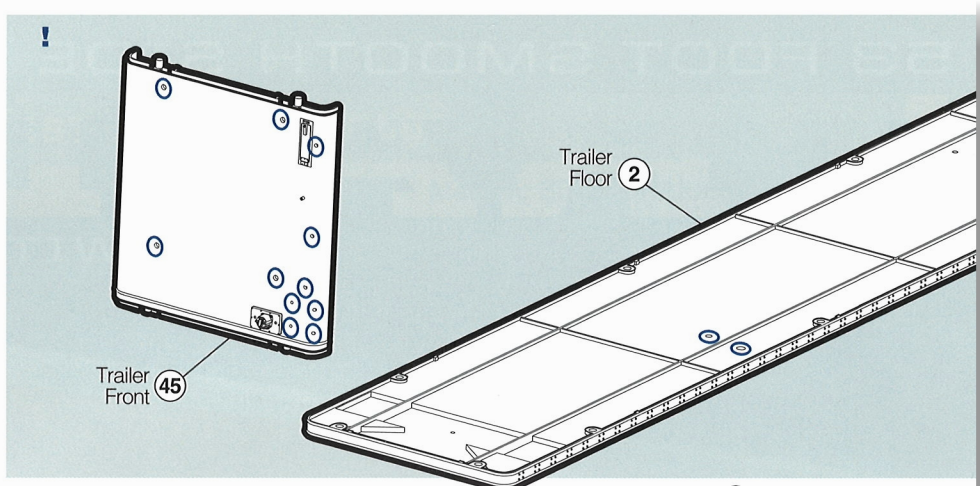
TRAILER BOX

NOTE: **Reinforcing Bars (#66)** are optional; if you wish to use, be sure to open corresponding slots at bottom edge of **Roof (#1)** BEFORE cementing the **Roof** in place.

For the **Reefer** version, cement the **Double Doors (#46)** to the **Roof (#1)**; for the **Dry Goods** version, cement the **Roll-Up Door (#46B)** to the **Roof (#1)**. Cement 2x **Side Walls (#3D)** and **Front Wall (#45)** to **Roof (#1)**. Make sure that the **Side Walls** are oriented correctly, as shown in the drawing. Finish the **Trailer Box Assembly** by cementing the **Floor (#2)** in place. Add the optional **Reinforcing Bars (#66)**, if desired. **NOTE:** You may find it more convenient to build the **Trailer Box** upside down, laying the top of the roof on the table and then cementing walls in place.

Side walls should be oriented as shown, with heavily riveted panels toward the **FRONT** of the box

TIP: Now would be the best time to mask and paint the roof and underside as well as the aluminum colored band along the bottom of the walls.



2

SUSPENSION

TIP: You will find it more convenient to paint parts and small sub-assemblies of the suspension before cementing them all together.

A Cement the **Left Airbags Halves** 2x (#9 & #10) together and **Right Airbag Halves** 2x (#55 & #56) together.

B Cement the **Right and Left Airbags** to **Slider Frame** (#19).

C Slide **BUT DO NOT CEMENT** the **Left Rear Suspension Arm** (#22) and the **Right Rear Suspension Arm** (#23) onto **Axle** (#4). Slide **BUT DO NOT CEMENT** the **Left Front Suspension Arm** (#20) and **Right Front Suspension Arm** (#21) onto the **Axle** (#4).

D Cement **Front and Rear Axle Assemblies** to **Slider Frame** and **Air Bags**.

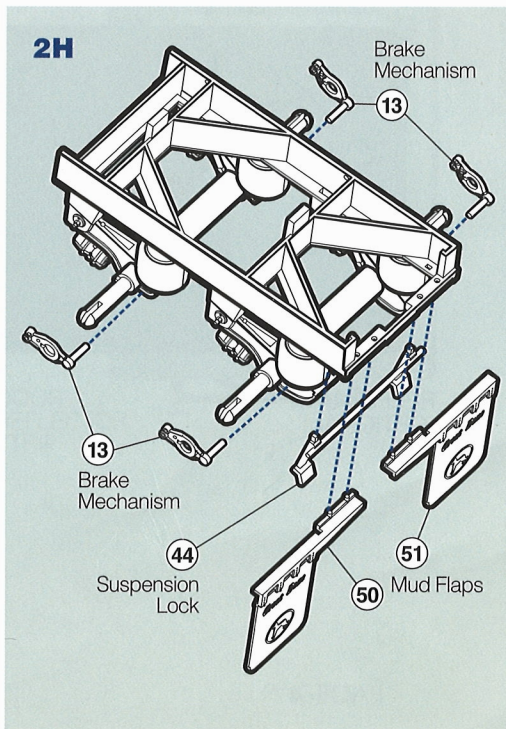
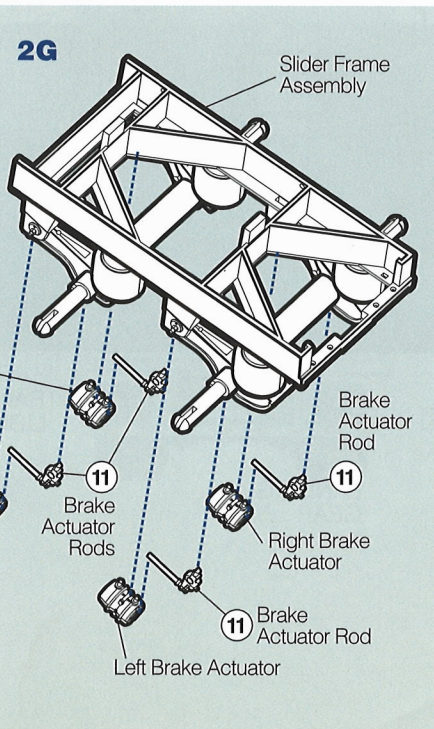
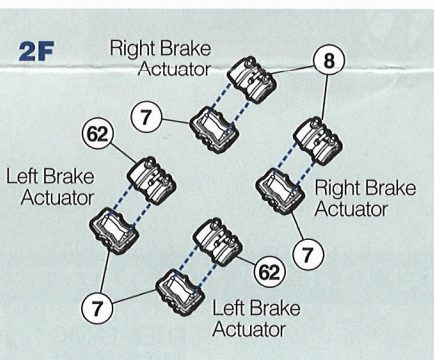
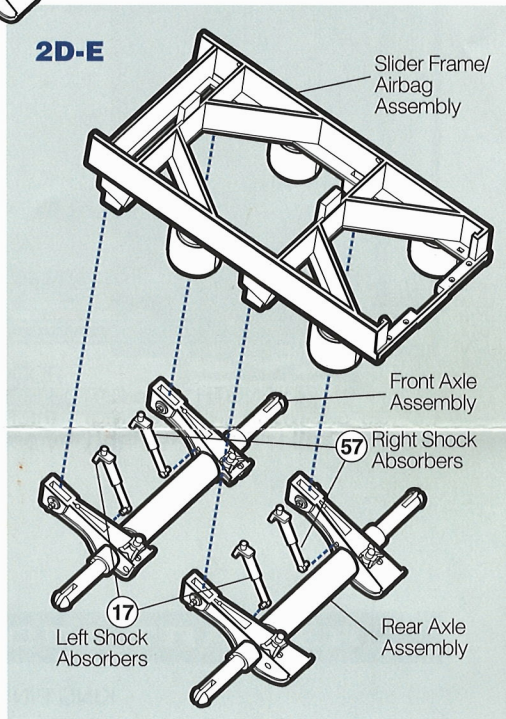
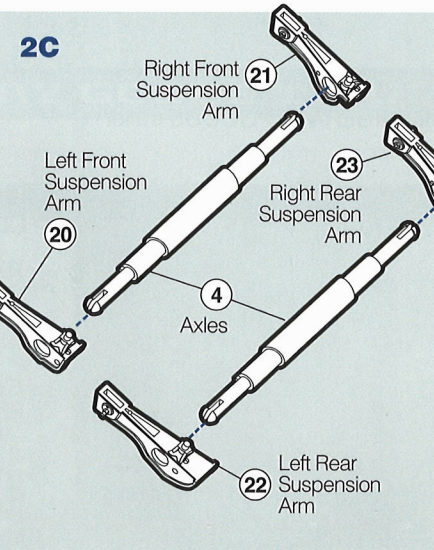
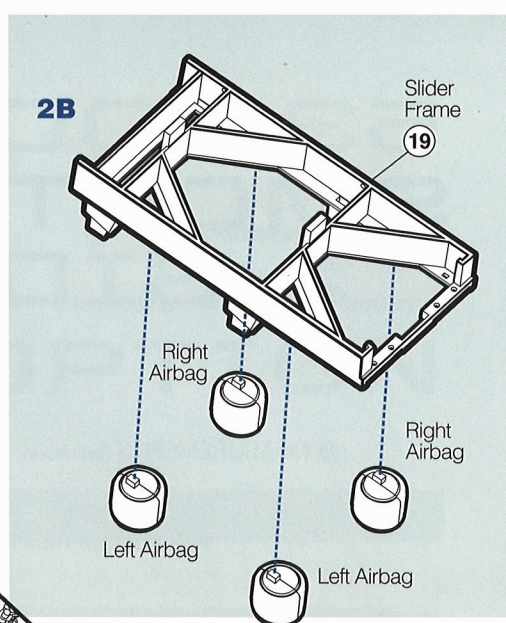
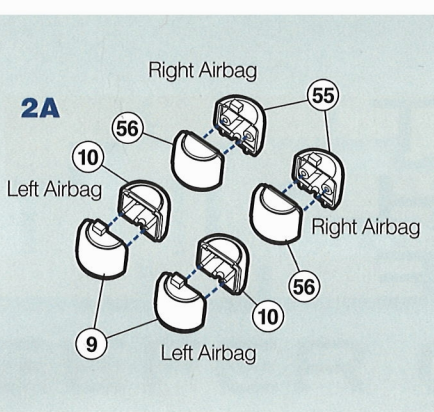
E Cement the **Left Shock Absorbers** 2x (#17) and **Right Shock Absorbers** 2x (#57) in place between the **Slider Frame** and **Suspension Arms**.

F Assemble **Left Brake Actuator Halves** 2x (#7 & #62). Assemble **Right Brake Actuator Halves** 2x (#7 & #8).

G Cement the completed **Left and Right Brake Actuators** to the corresponding **Left and Right Side Suspension Arms**. Cement the **Brake Actuator Rods** 4x (#11) to the **Suspension Arms** and **Brake Actuators**.

H Slide the **Brake Mechanism** 4x (#13) over the **Axle** ends and cement the locator rods to the locator holes in the **Suspension Arms**. Cement the **Suspension Lock** (#44) and the **Mud Flaps Left** (#50) and **Right** (#51) to the rear of the **Slider Frame**. Set the assembled **Suspension** aside for now.

(INSTRUCTIONS CONTINUED ON PAGE 6.)

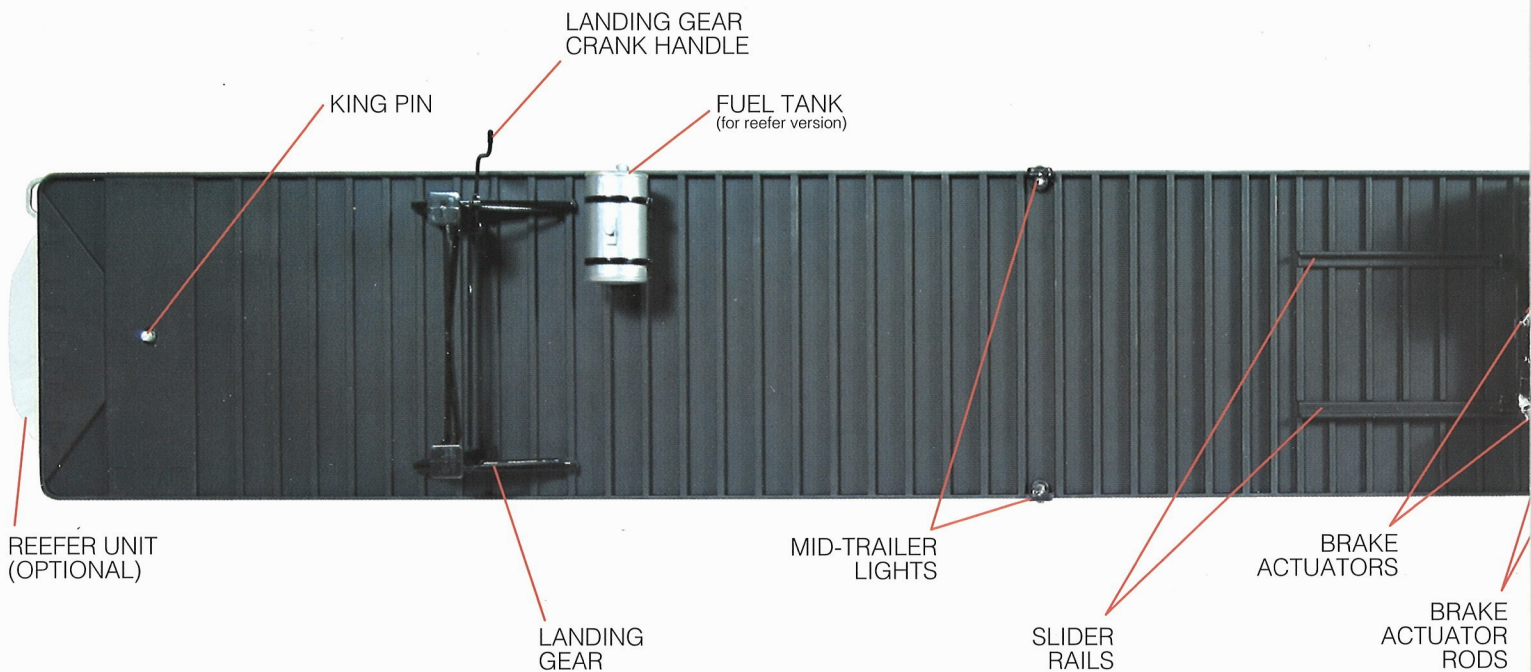


53 FOOT SMOOTH SIDE

TRAILER

13 MEASUREMENTS (Both Sides)

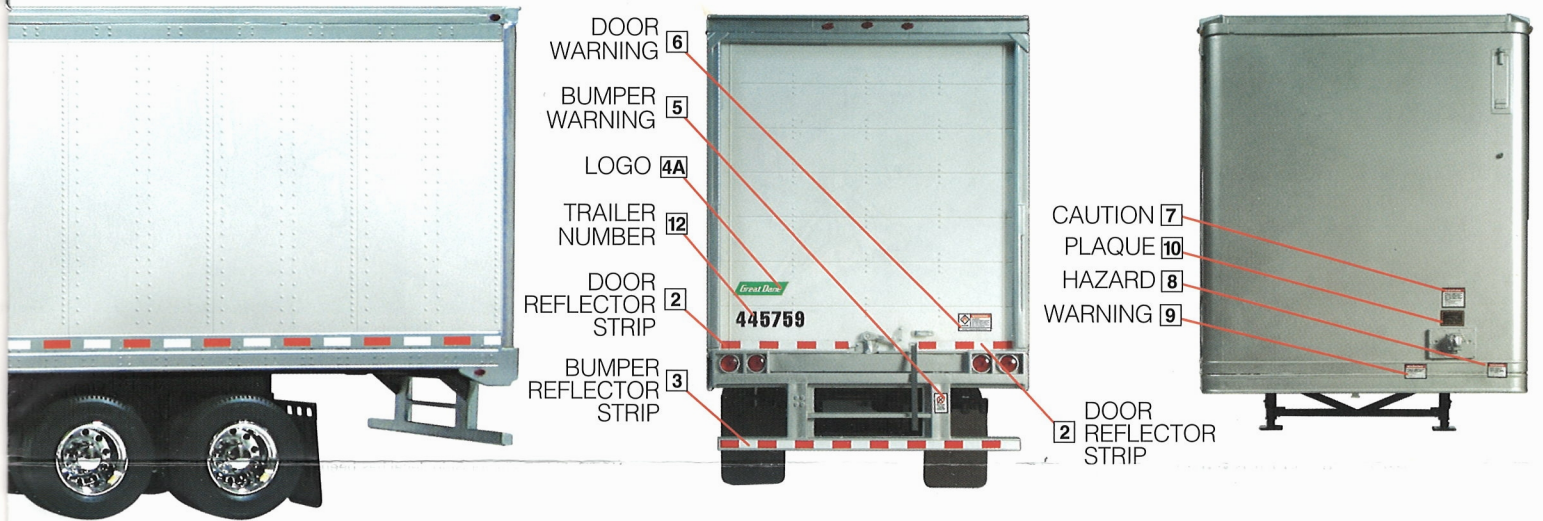
NOTE: Paint badge GREEN for DRY GOODS trailer
Paint badge RED for REFRIGERATED GOODS trailer



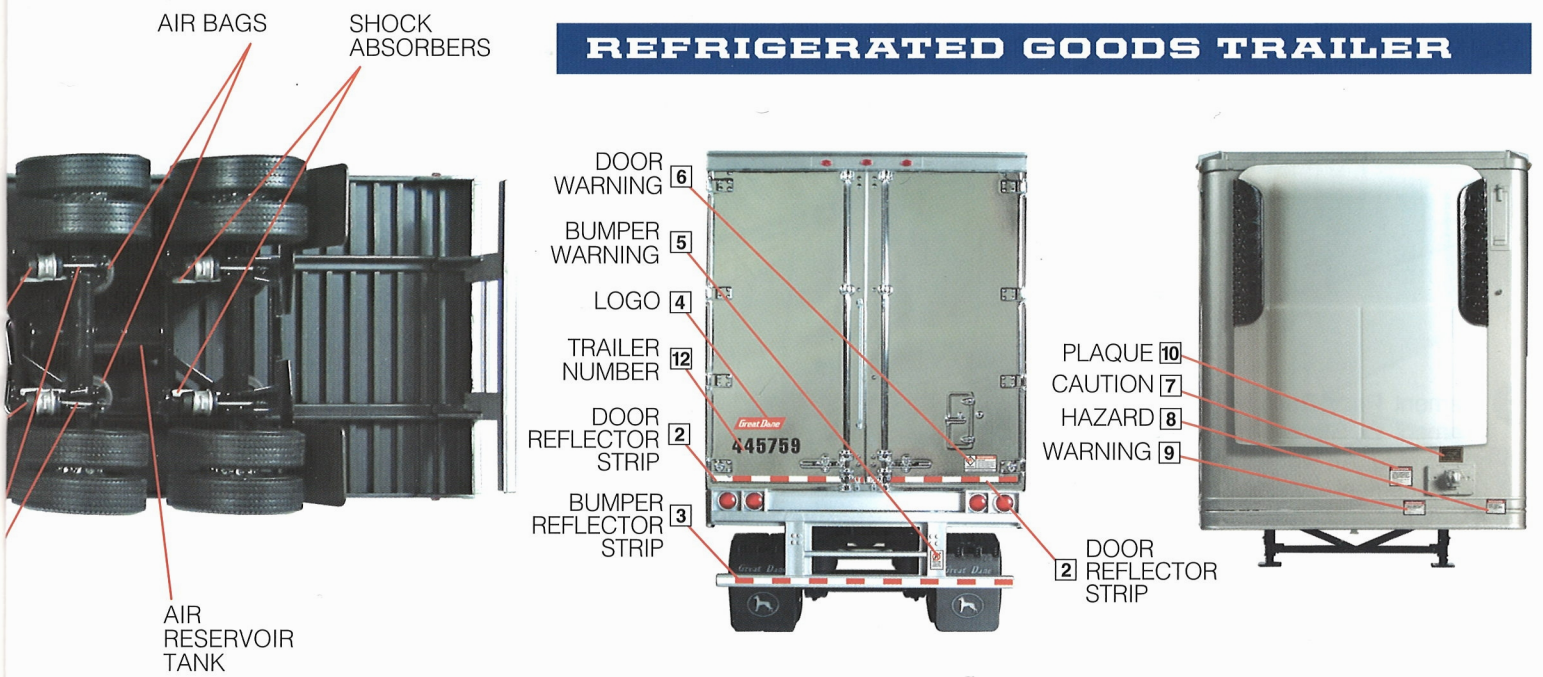
WILLER

WITH REEFER OPTION

DRY GOODS TRAILER

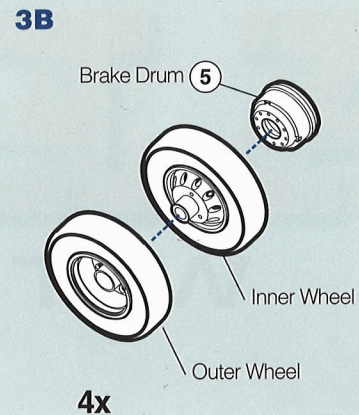
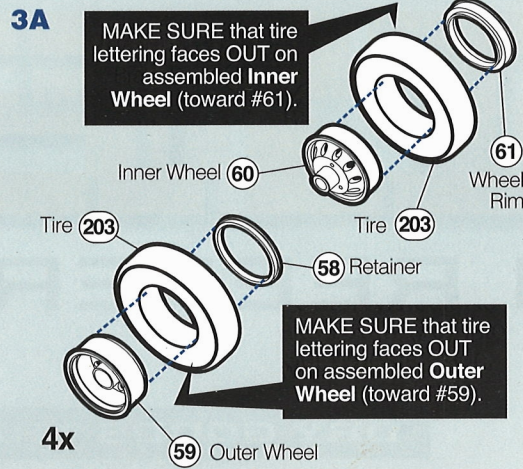


REFRIGERATED GOODS TRAILER



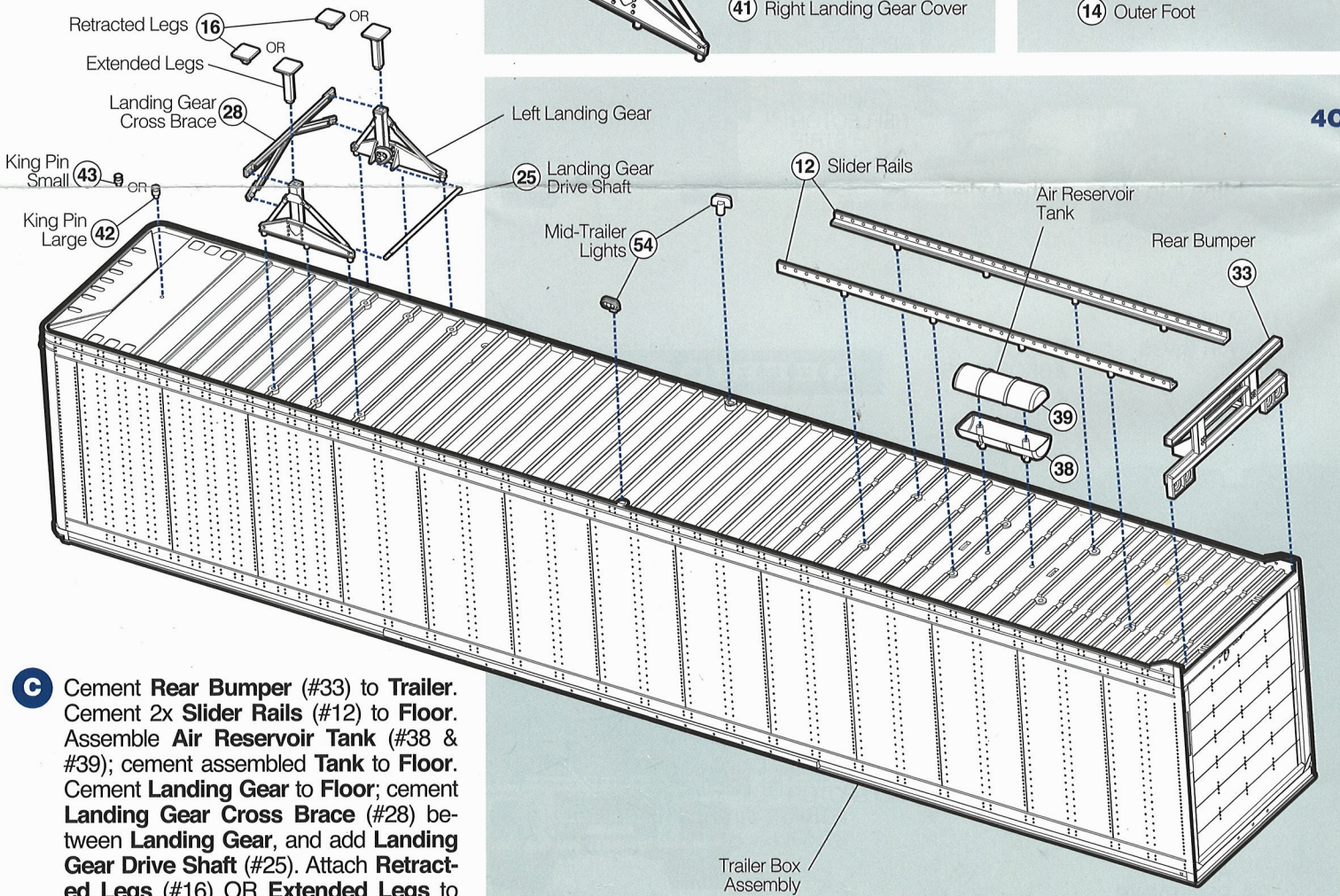
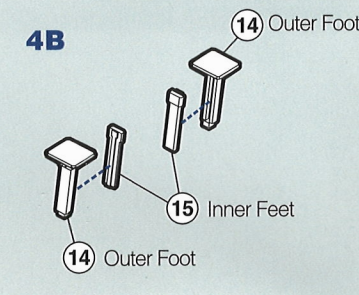
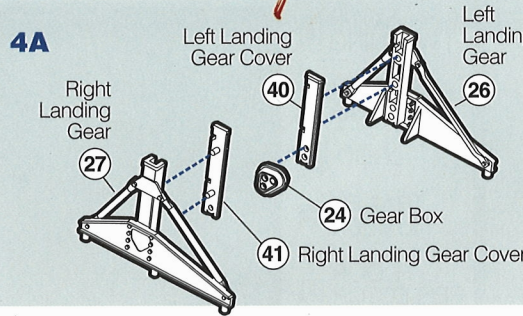
3 WHEELS

- A** Assemble 4x **Wheel Sets** by slipping **Tire** (#203) over **Outer Wheel** (#59) and cementing **Retainer** (#58) in place. Next, slip **Tire** (#203) over **Inner Wheel** (#60) and cement **Wheel Rim** (#61) in place.
- B** Cement **Inner** and **Outer Wheels** together. Cement **Brake Drum** (#5) into each **Inner Wheel**. Set **Wheels** aside.



4 UNDERCARRIAGE

- A** Cement **Left Landing Gear Cover** (#40) and **Gear Box** (#24) to **Left Landing Gear** (#26) and **Right Landing Gear Cover** (#41) to **Right Landing Gear** (#27).
- B** If you wish to use **Extended Legs** on your **Trailer**, cement 2x **Inner Foot** (#15) to 2x **Outer Foot** (#14).

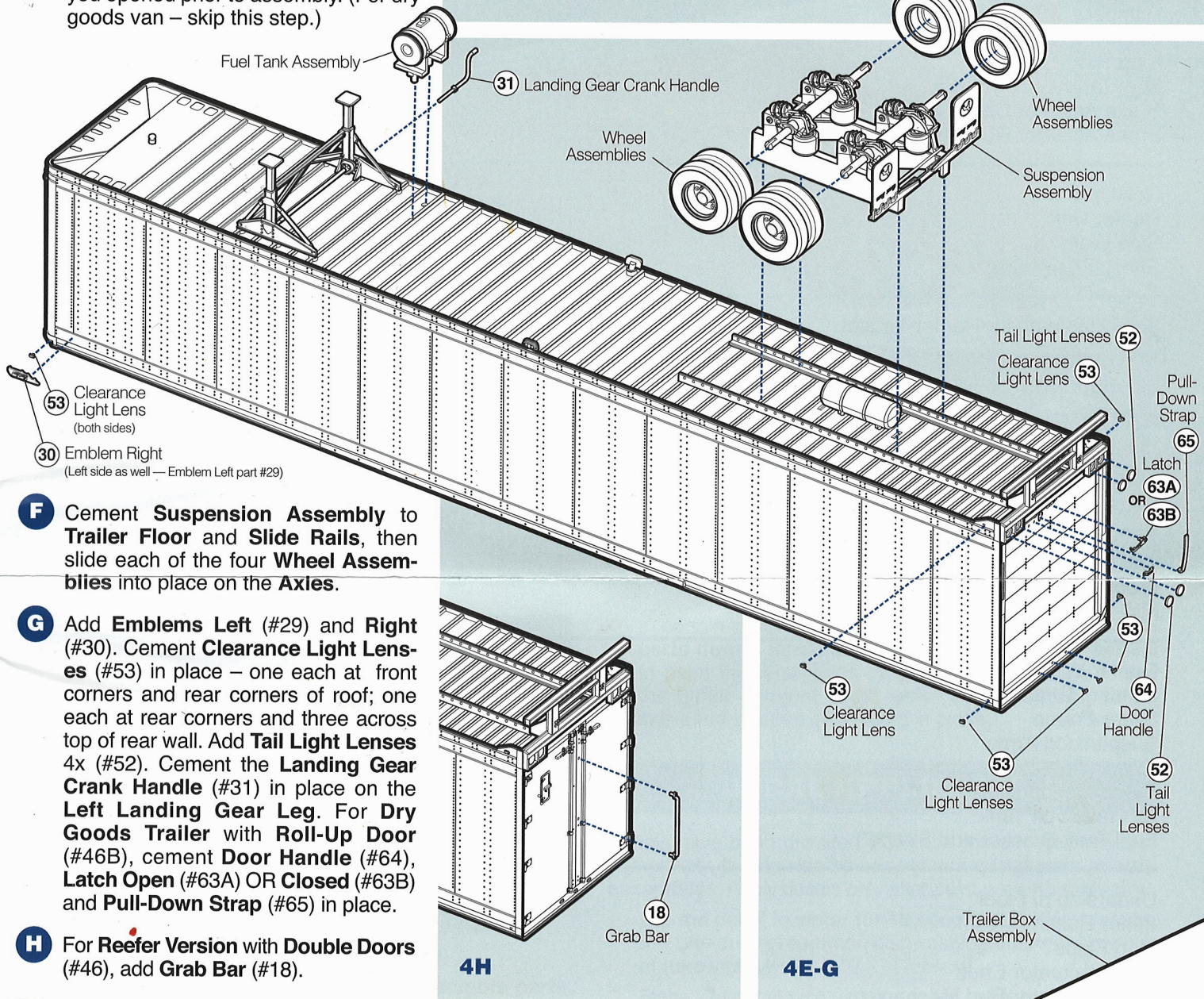
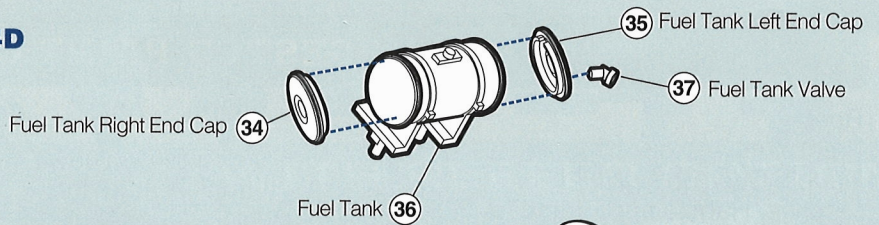


- C** Cement **Rear Bumper** (#33) to **Trailer**. Cement 2x **Slider Rails** (#12) to **Floor**. Assemble **Air Reservoir Tank** (#38 & #39); cement assembled **Tank** to **Floor**. Cement **Landing Gear** to **Floor**; cement **Landing Gear Cross Brace** (#28) between **Landing Gear**, and add **Landing Gear Drive Shaft** (#25). Attach **Retracted Legs** (#16) OR **Extended Legs** to **Landing Gear**. Add **Mid-Trailer Lights** 2x (#54). Decide which **King Pin** you wish to use — **Large** (#42) or **Small** (#43) and cement in place.

D If you're building a **Reefer**, assemble **Fuel Tank** (#34, #35, #36 and #37). (For dry goods van – skip this step.)

E If you're building a **Reefer**, cement the **Fuel Tank Assembly** in place on the **Trailer Floor** using the locator hole you opened prior to assembly. (For dry goods van – skip this step.)

4D

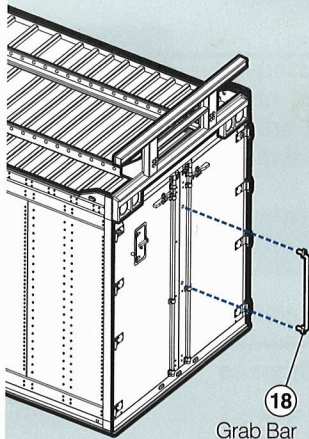


F Cement **Suspension Assembly** to **Trailer Floor** and **Slide Rails**, then slide each of the four **Wheel Assemblies** into place on the **Axes**.

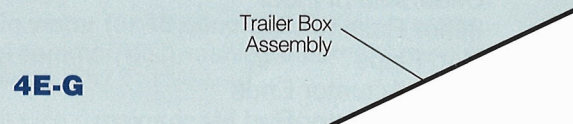
G Add **Emblems Left** (#29) and **Right** (#30). Cement **Clearance Light Lenses** (#53) in place – one each at front corners and rear corners of roof; one each at rear corners and three across top of rear wall. Add **Tail Light Lenses** 4x (#52). Cement the **Landing Gear Crank Handle** (#31) in place on the **Left Landing Gear Leg**. For **Dry Goods Trailer with Roll-Up Door** (#46B), cement **Door Handle** (#64), **Latch Open** (#63A) OR **Closed** (#63B) and **Pull-Down Strap** (#65) in place.

H For **Reefer Version with Double Doors** (#46), add **Grab Bar** (#18).

4H



4E-G

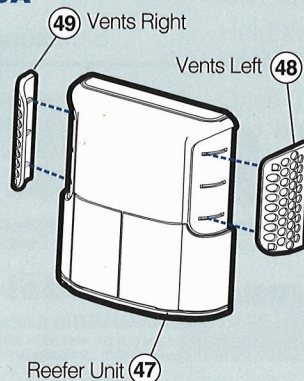


5 REEFER UNIT

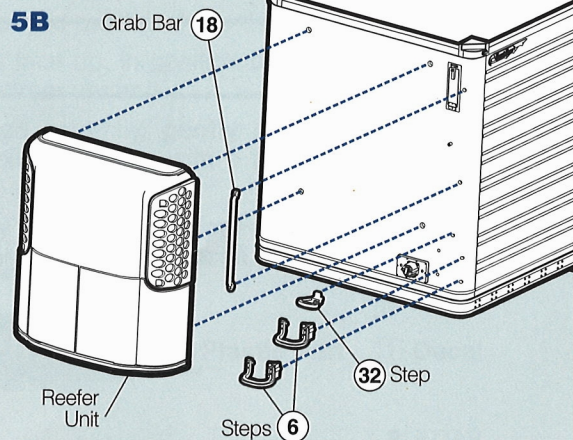
A For a **Reefer Trailer**, cement **Vents** (#48 & #49) to **Reefer Unit** (#47).

B Cement **Reefer Unit** to **Trailer Front Wall** locator holes opened prior to assembly. Add **Steps** 2x (#6) and (#32) and **Grab Bar** (#18). (If you're building a dry goods van – skip this step.)

5A



5B



SUGGESTED PAINT COLORS

Roof
Front Wall
Double Door Back Wall
Latches, Handle and Frame for Roll-Up Door Back Wall
Metal Band on Top and Bottom of Box
Bumper
Steps
King Pin
Fuel Tank
Brake Actuator Center Band
Brake Actuator Rod Shaft

Metallic Silver or Aluminum

Roll-Up Door
Reefer Unit
Side Walls
Shock Absorbers

White

Side Emblems for Reefer Version

Red

Side Emblems for Dry Goods Version

Green

Pull-Down Strap for Roll-Up Door

Flat Tan

Rear Clearance Lights
Rear Tail Lights

Clear Red

Front Clearance Lights
Mid-Trailer Lights

Clear Amber

Reefer Vents
Landing Gear
Slider Frame
Suspension Arms
Axles
Brake Mechanism
Air Reservoir Tank
Fuel Tank Bracket and Straps

Gloss Black

Underside of Floor
Slider Rails
Mud Flaps
Brake Actuator Ends
Brake Actuator Rod Mechanism
Mid-Trailer Lights Edges

Flat Black

Airbags

Black Rubber



Creative Consultant **Frank Winspur**
New Product Manager **Dave Metzner** • Art Director **Bob Plant**

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