



2-8-8-2 Triplex Instructions for Packing and Unpacking

It is recommended that you review all these instructions before removing the engine or tender from the poly foam container.

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CAUTION: This engine is heavy and contains many delicate parts. Do not drop the packaging when it contains the engine or tender. Pick a suitable working space with sufficient room to maneuver the engine and packaging. Be careful of the anchor studs protruding from the bottom of the shipping frames. The ends can scratch and mar most unprotected surfaces.

Tools Required:

- #2 Phillips Screwdriver
- 7mm wrench or deep socket
- 8mm wrench or deep socket
- Adjustable pliers
- Knife capable of cutting packaging tape.



Opening the Packaging

1. Remove the shipping carton
2. Remove the plastic bag liner
3. The easiest way to remove the color gift box is by opening the flaps on both ends of the box. Gently stand the box on one end slid the gift box upward. (See Fig 1.)
4. Place the polyfoam container on a flat solid surface with the top label facing upward.
5. Cut the packaging tape at the seam completely around the circumference of the polyfoam container.
6. Lift the lid portion of the polyfoam container and set it aside.



Figure 1

Removing the Engine from the Polyfoam

The engine should be removed before the tender. The tender will then act as ballast in the in the polyfoam making easier to remove the engine.

1. Remove the engine from the polyfoam container by grasping the metal shipping frame and lifting as shown in Fig. 2. **Do not lift the engine using the ribbons.**



Figure 2

2. With the metal shipping frame attached set the engine on flat work surface as shown in Fig. 3.

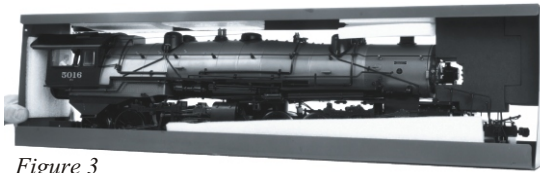


Figure 3

Unpacking the Engine

When unpacking the engine follow the steps below to avoid damaging your engine during the unpacking process.

1. Remove the 4 screws that secure the top panel of the shipping frame. As shown in Fig. 4.



Figure 4

Remove Screws

2. Pull the front end of the shipping frame forward and remove the gray from around the headlight. As shown in Fig. 5.

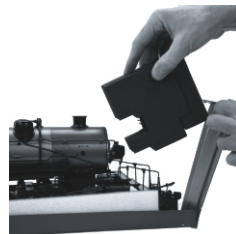


Figure 5

3. With the engine still in the shipping frame lay the engine on its side as shown in Fig. 6

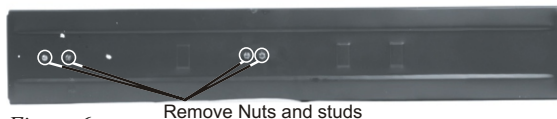


Figure 6

4. Using the 7mm and 8mm wrenches, remove the nuts from the studs on the bottom of the shipping frame. (Fig. 6)
5. Slide the shipping frame over the studs to remove it from the engine
6. Remove the 4 foam packing pieces as shown in Fig 7.

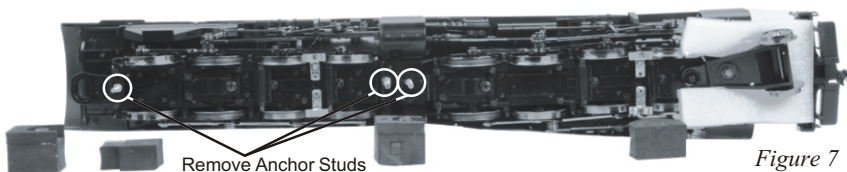


Figure 7

7. Remove the anchor studs from the bottom of the engine chassis. (Fig. 7) The anchor studs should be hand tight and be able to be moved by turning them with your fingers. However, if mechanical assistance is required to remove the anchor studs, using the adjustable pliers to grasp the anchor studs in the center section where the threads do not come in contact with the chassis or the locking nuts, will be helpful in removing the anchor studs.
8. Install the pivot screw that is supplied in the packaging to connect the fixed chassis and the articulated chassis. As shown in Fig 8-9.

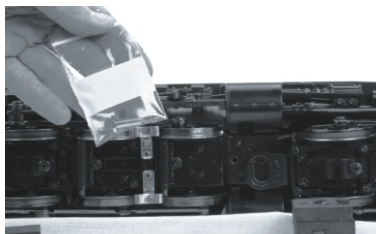


Figure 8

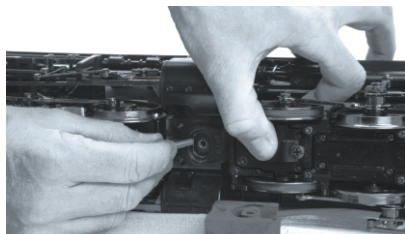


Figure 9

9. The engine can now be placed on the track. When lifting or carrying the engine, always grasp the engine under both sets of driving wheels. Do not lift the engine by grasping any of the body parts, such as the boiler, the cab or the pilot. As shown in Fig. 10-11.



Figure 10

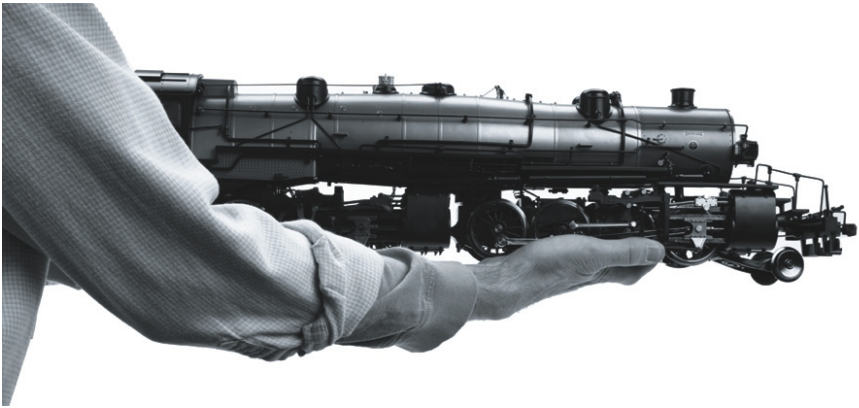


Figure 11

Removing the Tender from the Polyfoam

1. Remove the foam blocks shown in Fig 12.

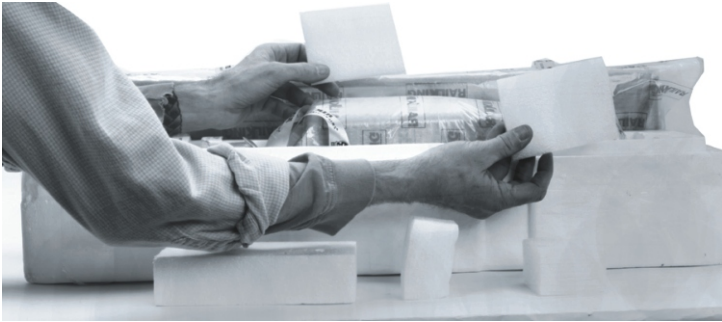


Figure 12

2. Lift one end of the tender and shipping frame assembly using one of the ribbons to the point where you can grasp the underside of the shipping frame with your hand and lift it out of the polyfoam container. (Fig. 13)



Figure 13

3. Lay the tender shipping frame assembly on it side as shown in Fig. 14.



Figure 14

Unpacking the Tender

When unpacking the tender follow the steps below to avoid damaging your tender during the unpacking process.

1. Remove the nuts from the anchor studs on the bottom of the shipping frame. As shown in Fig. 15.

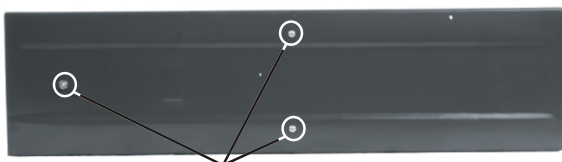


Figure 15

Remove the nuts

2. Slide the brace off of the studs.
3. Remove the foam blocks shown in Fig 16.
4. Remove the anchor stud near the drawbar pin from the tender chassis As shown in Fig. 17.

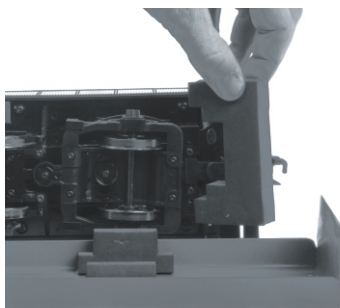


Figure 16

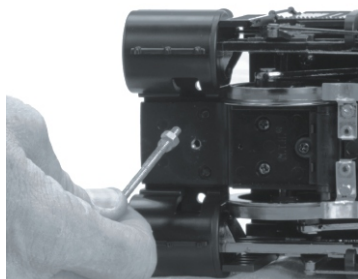


Figure 17

5. Remove the screws shown in the picture that attach the U-shaped brackets to the shipping frame. As shown in Fig 18-19.
6. Remove the U-shaped brackets from the tender chassis
7. The tender can now be placed on the track and connected to the engine.

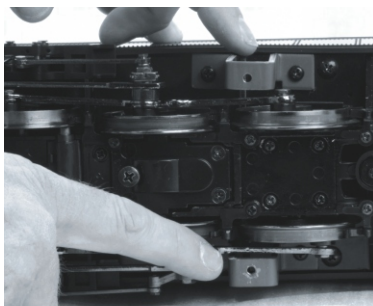


Figure 18



Figure 19

Repacking the Engine

When repacking the engine in the shipping frame and packaging. Follow the direction below to insure the engine is properly protected.

1. If the top panel of the shipping frame is attached to the shipping frame, it must be removed before the engine can be placed in the shipping frame.
2. Remove the pivot screw from the main chassis
3. Insert a 5mm stud into the threaded hole where the pivot screw was removed.
4. Insert the 2nd and third studs.



Figure 20

5. Insert the foam blocks under the chassis as shown in Fig. 20.
6. Insert the foam block between the boiler and the chassis as shown in Fig. 21-22.

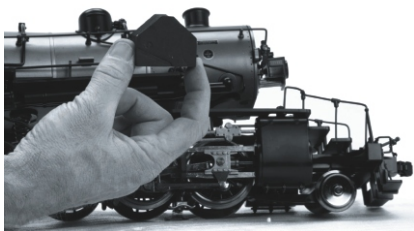


Figure 21

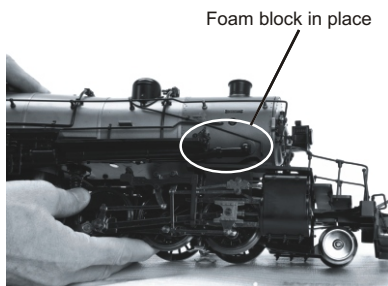


Figure 22

7. Set aside the white foam panels from the shipping frame.
8. Lay the engine on its side as shown in Fig. 23.



Figure 23

9. Attach the shipping frame to the engine by insert the studs through the appropriate holes in the shipping frame.
10. Install the retaining nut on the rear most studs. Do not tighten the nut yet.

11. Set the engine and shipping frame upright as shown in Fig. 24.
12. Slide the white foam strips into the gap between the sides of the shipping frame in the areas of the drive wheels and the cylinders (Fig. 24.)

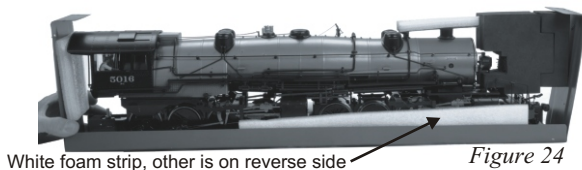


Figure 24

13. Roll engine and the shipping frame on to the side as shown in Fig. 25.



Figure 25

14. Install the remaining nuts on the anchor studs.
15. Tighten all of the nuts on the anchor studs.
16. Install the anchor stud and washers in the location under the rear of the cab as shown in Fig. 26-29.
17. Reference the pictures for the correct location of the washers. The washers are different sizes.

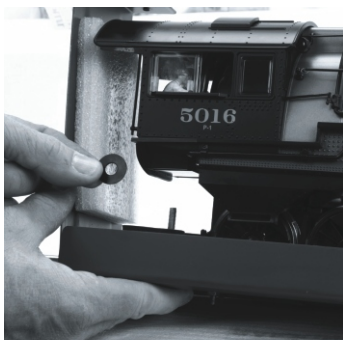


Figure 26



Figure 27

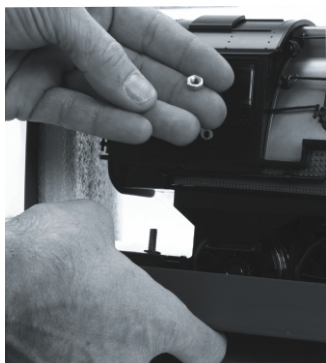


Figure 28



Figure 29

18. Insert the black foam block in front of the smokebox, around the headlight as shown in Fig. 30.

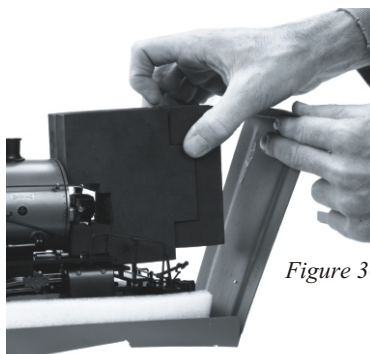


Figure 30

19. Reattach the top panel of the shipping frame using the 4 screws supplied. Do not fully tighten any of the screws until all 4 have threaded into the holes. As shown in Fig. 31.

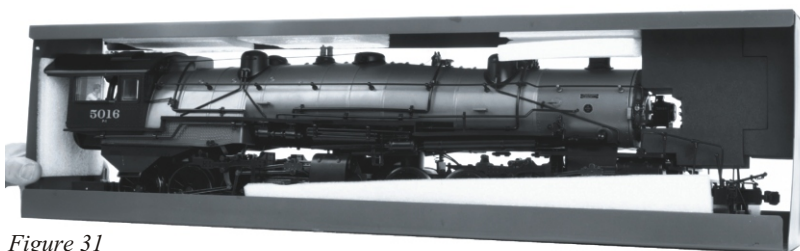


Figure 31

20. Wrap the Engine and Shipping frame in the wrapping paper and plastic wrap provided. As shown in Fig. 32.



Figure 32

Repacking the Tender

When repacking the tender in the shipping frame and packaging. Follow the direction below to insure the tender is properly protected.

1. Insert the front anchor stud into the tender chassis.
2. Install the 2 U-shaped brackets onto the bottom of the tender chassis using the mounting holes in the floor. Make sure that the notches in the sides of the bracket face toward the inside of the tender. (Fig. 33)

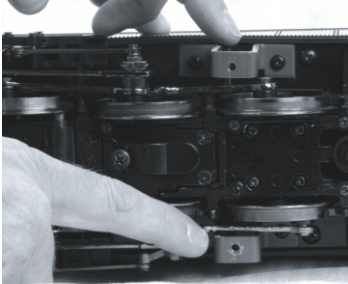


Figure 33

3. Insert the foam block between the trailing truck and the tender pilot as shown in Fig. 34.

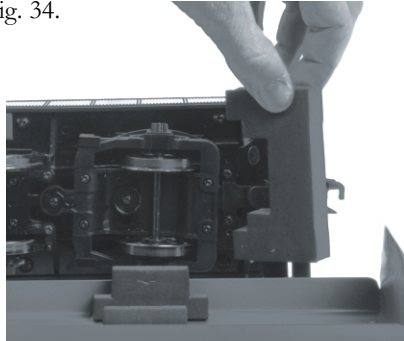


Figure 34

4. Apply the foam block over the anchor stud as shown in Fig. 35.
5. Attach the shipping frame to the tender by inserting the anchor stud through the appropriate hole in the shipping frame.
6. Put the nut on the anchor studs, but do not tighten the nets yet.

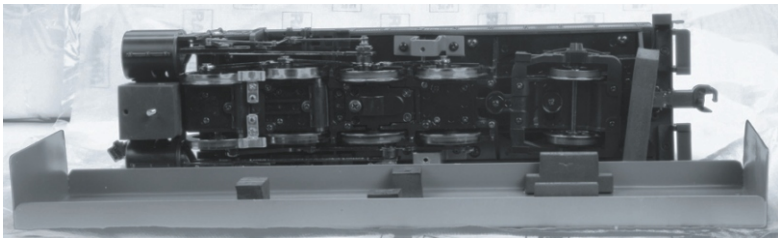


Figure 35

7. Insert one of the small rubber blocks between the U-shaped brackets and the shipping frame and insert the screw into the bracket, but do not completely tighten it yet. As shown in Fig. 36-39.
8. Insert the other small rubber blocks between the U-shaped brackets and the shipping frame and insert the screw.
9. Now tighten both screws.
10. Now tighten the nut on the anchor stud. (Fig. 40.)
11. Wrap the tender and shipping frame with the supplied wrapping paper and plastic wrap.
12. Place the tender and shipping frame assembly in the poly foam container.
13. Insert the white foam panels between the sides of the tender and the polyfoam container.
14. Make sure that the edges of the white foam panels are lower than the upper edge of the polyfoam container or the polyfoam lid will not fit properly.



Figure 36



Figure 37



Figure 38

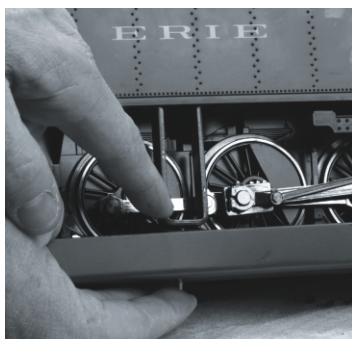


Figure 39

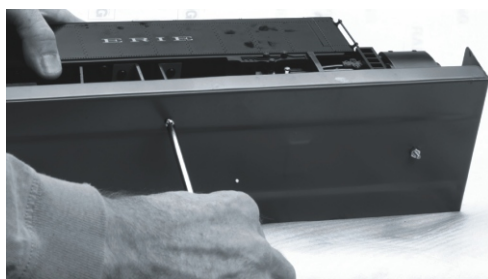


Figure 40

Assemble the Packing Materials

Follow the below instruction to be sure that the packaging materials are assembled properly.

1. Place the polyfoam lid on the polyfoam base.
2. Make sure that the lid fits tight to the base properly without any gaps and is not hung up on a part of the engine, the tender or one of the parts contained in the packaging.
1. Apply a band of packaging tape to the perimeter of the polyfoam container at the location of the seam.
2. Slide the polyfoam container into the color gift box.
3. Gently stand the entire package on end as shown in Fig. 41.
4. Slide the plastic bag over the color gift box as shown in the picture. As shown in Fig. 42.
5. Slide the shipping carton over the color gift box.
6. Place the cardboard filler over the end of the color gift box.
7. Close the end flaps of the shipping carton and seal with packaging tape.
The finished packaging shown in Fig. 43.



Figure 41



Figure 42



Figure 43