

# Train Set Order Form



**Real Trains®**

32215-D Dunlap Boulevard ♦ Yucaipa, California 92399 ♦ (909)446-0600 ♦ FAX (909)795-9320  
Visit our web site: [www.realtrains.com](http://www.realtrains.com) ♦ e-mail questions: [support@realtrains.com](mailto:support@realtrains.com) ♦ order: [sales@realtrains.com](mailto:sales@realtrains.com)

## **1. Purchase of Locomotive**

- Scale Model of 1930's Plymouth Gas-Mechanical Industrial Locomotive – Overall 31" long, 14" wide and 18" high
- Safe, Reliable Electric Power - 12 Volt, Industrial Duty Motor - Not a Wheelchair or Scooter Import – Equivalent To Motors Rated at 1400 Watts
- Will Pull 4 Adults (1000 pounds or 2 cars) on a 3 percent Grade and Normal Curves
- Minimum Radius of Track is 10 feet
- Operates from a Standard Deep-Cycle Battery – Typical Run Times of 5 to 8 hours on One Charge – Low Battery Cost and Widely Available – Simple Change Out to Carry a Spare
- Solid State Speed Control - Overload Protection Plus Main Circuit Breaker
- Operates from a Hand Held Remote Control - Locomotive Stops if Remote is Unplugged
- Sealed Beam Halogen Headlight with Off, Dim, and Bright Settings
- Electric Horn
- Key Lock Switch Prevents Unauthorized Use
- Fused Electrical System and Reverse Polarity Protection for Maximum Safety
- Interlocked Safety Controls - Speed Control Must Be at Zero When First Starting
- Safe Mode Requiring Continuous Holding of Button Can Be Turned On or Off With Key Switch
- Two Stage (belt and chain) Drive to All Wheels
- Full Spring Suspension Follows Uneven Track
- Self Aligning Ball Bearings On All Wheels
- Completely Painted in Choice of Standard Colors - Other Colors and Paint Schemes Optional
- Includes Complete Operation and Maintenance Manual

Note: This locomotive is also available with a gas engine and hydrostatic drive – See separate order form for details and options

1a. YES – I want to purchase the locomotive ..... \$ 2699.00

1b. NO – I want only additional cars or track for my existing set – Skip to step number 16

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## **2. Select Track Gauge**

The distance between the inside edges of the two rails is called the track gauge. It will vary depending on where you plan to operate your locomotive. If you are building your own track you will probably want to have the most popular choice, 7 1/2". If you will be running on club or someone else's layout you should specify what is needed to match their track. There is no cost for this choice

2a. YES – Send 7 1/2" gauge (most common in most of the United States)

2b. YES – Send 7 1/4" gauge (common in New England, Europe, South America)

2c. YES – Send 4 3/4" gauge (for modelers copying a narrow gauge prototype railroad)

2d. YES – Send 5" gauge (narrow gauge in Europe and the Pacific)

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# Ordering Information

# Industrial Locomotive

### **3. Option of Special Paint Color(s)**

We have nine standard railroad paint colors available. If you wish us to mix a special color (or colors) to match samples you provide this is where you indicate that option. You should send a sample of the color you want that is at least 1" by 2" (25mm by 50mm) in size. Use clean, white cardboard so that the true color of the sample will show. All of our paints are semi-gloss. The gloss of your sample will not be used in mixing the paint.

3a. NO – I do not want any special colors

3b. YES – I want special colors of paint (mark each as #1, #2, etc.)

For each special color .....add \$ 30.00

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### **4. Select Colors of Cab, Roof, and Hood**

The cab, cab roof and hood assembly may each be painted the same or individual colors. In the case of the hood this includes the hood, grill shell, six hood doors and two hood door tracks. These must all be the same color. The shutter louvers in the grill shell are available in black only. Mark choices for each of these opposite the colors listed. There is no cost for these choices.

Mark X in Box to Indicate Choice

	Cab	Cab Roof	Hood Assembly
Locomotive black			
Reefer white			
Maintenance of way gray			
Santa Fe red			
Great Northern big sky blue			
Burlington Northern green			
Canadian National yellow			
Denver and Rio Grand new orange			
ATSF silver metallic			
Special (write number in box)			

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### **5. Select Color of Main Deck and Pilot Beams**

This is the portion of the locomotive below the cab and hood, and not including the frame, journal boxes, wheels, etc. It is normally painted locomotive black. If you wish some other color you must indicate that here. Make your selection from colors listed above.

5a. NO – Paint main deck and pilot beams locomotive black

5b. YES – Paint them \_\_\_\_\_ .....add \$ 30.00

## **6. Select Color of Frame and Running Gear**

The portion of the locomotive below the main deck is the frame and running gear. It is normally the same color as the main deck. If you wish it to be a different color, please indicate that here. Make your selection from the colors listed above.

6a. NO – Paint frame and running gear the same color as the Main Deck

6b. YES – Paint them \_\_\_\_\_ .....add \$ 50.00

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## **7. Add Lettering and Graphics**

We use a local graphic artist that can make and apply computer cut vinyl lettering or graphics to match your design. Please submit your ideas for a price quote. Basic lettering of a railroad name and number in one color is typically \$25.00 to \$50.00. Note that we cannot make exact copies of trade marked or copyrighted names or logos. Please indicate your preferences in the additional information area of section 31.

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## **8. Add Additional Weight**

We have found that the locomotive will benefit from added weight when operated on some large tracks. This is not something you need to consider for most back yard layouts. If you plan on operating at a club there may be oil on the rails, water from sprinklers, or other things that make the wheels slip excessively, you should consider adding weight to the locomotive. Shipped packed separately to prevent damage during shipping (you must install). These weights may be added later if you are unsure of your needs at this time.

8a. NO – I do not want an additional weight

8b. YES – Send 44 pound (20 kg.) weight .....add \$ 70.00

This weight may be installed through hood side doors. It is simple to remove for transport.

8c. YES – Send 66 pound (30 kg.) weight .....add \$ 95.00

This larger weight is not compatible with the air brake system (it takes up too much space) and requires removal of the hood for installation (requires tools).

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## **9. Add A Battery Volt Meter**

This is an electronic digital voltage display that mounts in the hand control. It indicates remaining battery charge (amount of power left) by showing the battery voltage. Complete instructions are provided. If you plan on operating on large club type layouts it can prevent you from running out of power while trying to finish “one more” trip around. May be installed later if you are unsure now.

9a. NO – Do not include a battery volt meter

9b. YES – Send a battery volt meter.....add \$ 75.00

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## **10. Add A Sound System**

This is a complete sound system. All sounds are digitally generated from recordings of actual locomotives. The system includes a 65 watt amplifier and dual speakers having separate high frequency tweeters.

The sounds produced are those of the engine starting and running. The speed and volume changes with the speed of the locomotive from “idle” to “notch 8” (there are nine speeds produced by the sound system, the locomotive control is continuously variable). Also included are sounds of the air reservoir drains and, during rapid deceleration, dynamic brakes. Switches on the hand control allow sounding of the air horn (five chime type) and continuous bell (repeats about once per second).

This unit may be installed later if you are unsure now. Requires removal of the standard horn. Not compatible with the bell option listed below.

10a. NO – I do not want a sound system

10b. YES – Please include a complete sound system.....add \$ 400.00

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## **11. Add An Air Brake System**

This is a complete air brake system including compressor and controls. Air cylinders apply brake shoes to the wheels on the locomotive. A quick disconnect fitting is provided for connection to brakes on a car behind the locomotive (limit system to one car only).

A switch on the hand control allows application of the brakes. When the switch is off the brakes gradually release. A third switch position is latched in the on position for use as a parking brake.

This unit may be installed later. Not compatible with the larger additional weight.

11a. NO – I do not want an air brake system

11b. YES – Please include an air brake system.....add \$ 595.00

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## **12. Add Couplers or Draw Bar**

If you are ordering the train set a draw bar will be included with the riding car. If you are providing your own riding car we recommend a draw bar instead of a coupler because of safety (it cannot come apart accidentally). Our standard draw bar is available for this use.

The locomotive has space for but does not include a front coupler. We will provide and assemble a coupler made by Superscale as part of this order. If you wish couplers front and rear, please order two of these.

12a. NO – Do not send couplers or a draw bar

12b. YES – Include one assembled coupler ..... \$ 85.00

12c. YES – Include two assembled couplers ..... \$ 170.00

12d. YES – Include one drawbar ..... \$ 20.00

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### **13. Include a Battery Charger**

You may purchase a battery charger locally or may use one you already have.

Our battery charger is a type designed specifically for the deep cycle batteries recommended for use with the locomotive. It has been modified to include a connector that plugs directly into the battery harness to allow quick connection. Available only with 120 volt, 60 cycle input for use with outlets commonly found in North America

13a. NO – Do not send a battery charger

13b. YES – Add a battery charger ..... \$ 99.00

### **14. Add an Additional Battery Cable**

If you wish to use an additional battery for longer running time you should consider adding an additional battery cable that can remain attached to that battery. This simplifies the process of changing the battery and reduces the possibility of errors in connections. The “smart cable” includes a warning light if improperly connected. Plugs directly into control panel of locomotive.

14a. NO – Do not include an additional battery cable

14b. YES – Include one additional battery cable ..... \$ 35.00

14c. YES – Include two additional battery cables..... \$ 70.00

### **15. Add a Detail Kit**



A kit of parts including steps, grab irons, hand rails, and door handles is available as shown in the photo. It is available installed if purchasing the kit at the same time as the locomotive. If factory installed please also state what color you wish the items painted if different than the locomotive.

15a. NO – Do not include a detail kit

15b. YES – Include but do not install a detail kit..... \$ 112.00

15c. YES – Furnish and install a detail kit ..... \$ 191.00





**16. Do You Want a Car With Your Locomotive Purchase?**

- Standard Set Includes a 40 Scale Foot (actual length 59.5" (1.51m)) Car – Optional is a 60 Scale Foot (actual length 89.5" (2.27m)) Car
- 15" width (38.1cm)
- All Welded Steel Construction
- Includes Draw Bar for Connection to Locomotive - Rear Fits all Standard 3/4" Shank Couplers (not included) - Mounting Bolts Included
- Includes Steam Era Trucks without Brakes and Mounting Hardware – Optional Brakes Are Listed Below - Other Types of Trucks or Brake Configurations Available Please Contact Us
- Completely Painted in Your Choice of Colors - Unlettered
- Includes Complete Use and Maintenance Manual

Note: If you want to purchase more than one car please duplicate these pages and submit one set for each car

16a. YES – I want to order the car ..... \$ 850.00

16b. NO – I do not want a car – Please skip to step number 27

# Ordering Information

# Train Set Car

## **17. Substitute a 90" Car Floor for the Standard 60"**

If you are operating on club tracks with wide curves you may want a longer car. This option provides more room for seating. It is not recommended with the track included in the set.

17a. NO – Send the 60" car

17b. YES – Substitute the 90" car ..... add \$ 90.00

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## **18. Select Track Gauge**

You will normally mark the same choice here as you did for the locomotive.

18a. YES – Send 7 1/2" gauge (most common in most of the United States)

18b. YES – Send 7 1/4" gauge (common in New England, Europe, South America)

18c. YES – Send 4 3/4" gauge (for modelers copying a narrow gage prototype railroad)

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## **19. Option of Special Paint Color**

If you have already paid for a special color as part of the locomotive purchase it is not necessary to list it here again. If you wish us to mix an additional special color for the car alone to match a sample you provide this is where you indicate that option. You should send a sample of the color you want that is at least 1" by 2" (25mm by 50mm) in size. Use clean, white cardboard so that the true color of the sample will show. All of our paints are semi-gloss. The gloss of your sample will not be used in mixing the paint.

19a. NO – I do not want any special colors or want the same special color as the locomotive

19b. YES – I want a different special color of paint for only the car.....add \$ 30.00

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## **20. Select Color of Car**

The car is painted all one color. There is no cost for these choices.

Mark X in Box to Indicate Choice

Locomotive black	
Reefer white	
Maintenance of way gray	
Santa Fe red	
Great Northern big sky blue	
Burlington Northern green	
Canadian National yellow	
Denver and Rio Grand new orange	
ATSF silver metallic	
Special From Locomotive (write number in box)	
Special Only for Car	



## **21. Add Lettering and Graphics**

We use a local graphic artist that can make and apply computer cut vinyl lettering or graphics to match your design. Please submit your ideas for a price quote. Basic lettering of a railroad name and number in one color is typically \$25.00 to \$50.00. Note that we cannot make exact copies of trade marked or copyrighted names or logos. Please indicate your preferences in the additional information area of section 31.

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## **22. Add An Air Brake System**

This option adds an air cylinder, and full brake rigging to each truck. It includes plumbing to connect to the locomotive. Your locomotive must have this option in order for the system on the car to be operational. Only one car with brakes may be used with our locomotive.

22a. NO – I do not want air brakes added to the trucks

22b. YES – Please include air brakes on the car .....add \$ 260.00

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## **23. Add Pedestal Mount Seats**

We have available a deluxe folding plastic seat as shown in the photo on page 7 that can be installed on the car. These mount on a tubular pedestal that comes in two heights, seven or thirteen inches (the 13” height is recommended only for experienced riders with good balance).

A 60” car may use one or two seats, a 90” car uses one to three. Indicate quantity of each in boxes. Shipped unattached to car, installation requires a wrench and screwdriver.

23a. NO – I do not want any pedestal seats

23b. YES – Please include  7” pedestal seat(s) .....add \$ 89.00 each

23c. YES – Please include  13” pedestal seat(s) .....add \$ 89.00 each

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## **24. Add A Center Bench Seat**

We have available a full length bench seat suitable for children as shown in the photograph on the following page. The seat is clear finished wood with steel supports. On cars shipped UPS it is provided as a set of parts that you must install, otherwise it comes installed. Not available if pedestal seats are ordered for the same car.

24a. NO – I do not want a center bench seat

24b. YES – Include the Center Bench Seat on a 60” car.....add \$ 110.00

24c. YES – Include the Center Bench Seat on a 90” car.....add \$ 165.00



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**25. Add Carpeting on The Top Deck**

To prevent scratching of the paint the top surface of the car can be covered with an outdoor approved carpet material as seen in the photograph on the next page. This is glued to the car and available only at time of car purchase (factory installation only). Black is normally used but other colors are often available.

- 25a. NO – I do not want carpeting on the deck
- 25b. YES – Include carpeting on the deck of the car .....add \$ 50.00

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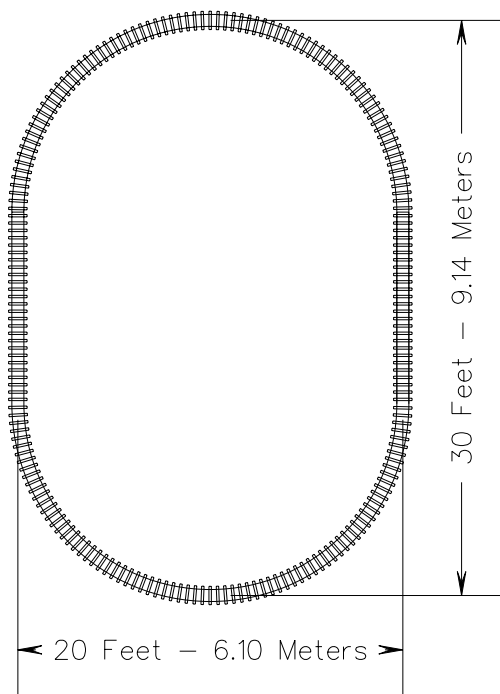
**26. Add A Coupler**

The car includes a drawbar but does not include a rear coupler. If this is a second car, or if you want to use it with other trains (without the drawbar) you will need two couplers. We will provide and assemble couplers made by Superscale as part of this order.

- 26a. NO – Send only a drawbar. Do not send a coupler
- 26b. YES – Include drawbar and one assembled coupler .....add \$ 85.00
- 26c. YES – Include two assembled couplers, no drawbar  
(requires a coupler on rear of locomotive).....add \$ 150.00

## **27. Do You Want Track**

- Basic Set Optionally Includes a 20 by 30 foot (6m by 9m) Oval of Track
- 10 foot (3m) Radius Curves
- Scale Aluminum Rail
- Includes Pre-Bent and Cut Curved Sections
- Rot Proof Composition Ties Cut To Size and Grooved For Rail
- All Hardware Furnished (joint bars, bolts, nuts, track screws)
- May be Installed in Ground or Set Up on a Temporary Basis
- Additional Track and Switches Available
- Includes Assembly Manual
- Minor Assembly and Installation Required



This track may be permanently installed in gravel ballast or may be set up on a temporary basis. If temporary use is planned a solid, firm surface must be provided that will support the weight of the ties (soft dirt or a lawn may not be firm enough). If planned for use on a smooth surface it is usually necessary to place rubber matting under the ties to prevent slippage.

Assembly requires drilling and installation of screws and bolts. Power tools are recommended.

27a. YES – Send the basic oval of track ..... \$ 850.00

27b. NO – I want only additional track

27c. NO – I do not want any track – Please skip to step number 32

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## **28. Select Track Gauge**

You will normally mark the same choice here as you did for the locomotive.

28a. YES – Send 7 1/2" gauge (most common in most of the United States)

28b. YES – Send 7 1/4" gauge (common in New England, Europe, South America)

28c. YES – Send 4 3/4" gauge (for modelers copying a narrow gage prototype railroad)

28d. YES – Send 5" gauge (narrow gage in Europe and the Pacific)

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## **29. Add Additional Track**

Our track that matches the train set track comes as two types of panels. A 10 foot (3.048m) straight section. And as one-eighth of a 20 foot (6m) diameter circle (the diameter is measured at a point half way between the two rails).

You may change the radius a small amount due to the springiness of the rails. Both curved and straight sections may also be cut to shorter lengths. Please contact us if you need other sizes of curves or additional parts. If you are building a large layout you may want to consider purchasing rail alone and buy ties locally. See our general catalog for these parts.

Indicate quantities of additional track panels in boxes.

29a. NO – I do not want any additional track

29b. YES – Please send  10 foot straight panels .....add \$ 89.00 each

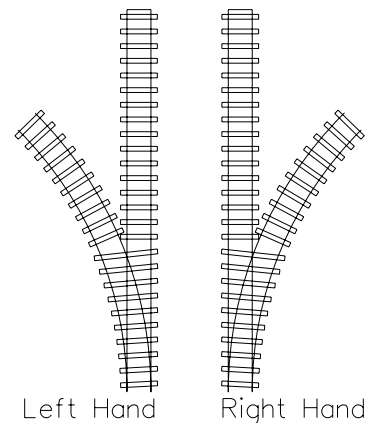
29c. YES – Please send  1/8<sup>th</sup> circle panels .....add \$ 94.00 each

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## **30. Add Track Switches**

You may add switches (also called turnouts) to your track layout to allow selection between two different routes.

Each switch is equal to one straight panel and one curved panel (see drawing). They may be substituted for either of the standard panels at any point. Be sure to specify right or left handed for the switches depending on where they will be located.



The switch includes all parts and an operating mechanism that holds the switch in one position or the other. Indicate quantities of each type of switch in boxes.

30a. NO – I do not want any switches

30b. YES – Please send  right hand switch panels .....add \$ 399.00 each

30c. YES – Please send  left hand switch panels .....add \$ 399.00 each

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# Delivery And Payment Information

## Instructions

Please read the applicable sections above. Circle the numbers of your choices.

If it was mailed you will be sent two copies, one to mark up and keep and one to return to us by mail. If downloaded, print out the complete form and mail one copy to us as listed below.

If you need an exact amount quoted for shipping charges, please contact us.

All items ordered are normally shipped at one time. It is our policy to install options ordered with a locomotive or car at no charge. In the event that an option is out of stock, and if it can be user installed, the locomotive will be shipped without the option. Shipment of back orders will be done without extra charges. If you wish some items shipped before others please let us know in the comments section. There may be extra charges for these partial shipments.

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## 31. Who You Are

Please provide your contact information here. If your preferred address is a post office box please provide a street address for delivery. Shipments without track may go UPS to many areas at considerably lower cost than truck freight. For delivery by truck freight a business address will usually result in a lower cost freight rate. Shipment may be to your employer, a friends business, etc. Truck shipments picked up at their freight terminal save even more.

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Name	Business Name (if any)
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Preferred Address (what you want in our records)	City	State or Province	Zip or Postal Code	Country
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Ship to Name (if different)	Business Name (if any)
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Ship To Address (if different)	City	State or Province	Zip or Postal Code	Country
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Daytime Phone Number	Evening Phone Number	FAX, email, etc.
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Additional Information

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# Delivery And Payment Information

## 32. Delivery Information

Please mark the box below that is your choice for delivery of your order. If you need to provide more information, please use the comments section.

- I would like to pick the order up in person at your business. Please notify me when it is ready.

- I am ordering only a locomotive or a locomotive and cars (no track). Please ship my order by UPS. I understand that some simple assembly will be required because of shipment in multiple boxes

- Ship the order by truck freight (North America only) to the address indicated. This cannot be a post office box. Please see information above about differing freight rates between business address, residential addresses and terminal pick up.

- I have made arrangements to meet you (such as at a club meet), please bring the order there.

- Ship the order by ocean freight to the address indicated. Shipper will retain a customs broker if needed for delivery to your final destination.

- Ship the order by ocean freight to the port of entry listed below. You will be contacted by freight carrier to claim and pay duty at that location.

- Special shipping is required (parcel post, air, etc.) and may involve partial disassembly or other packaging and is explained below.

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Comments

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# Delivery And Payment Information

## 33. Calculation of Total Cost

Transfer the totals from the other forms here

Locomotive ....\$ \_\_\_\_\_

Car\* .....\$ \_\_\_\_\_

\* If more than one is ordered, please  
duplicate the order form and total the costs

Track .....\$ \_\_\_\_\_

**Packing and Handling** charges apply to all orders shipped by UPS or truck freight. These charges are only for orders shipped together. Other charges will apply for partial shipments, options ordered separately, or shipment by other methods.

Packing and Handling on Locomotive Only .....\$ 50.00

Additional Packing and Handling for Each Car Ordered at Same Time .....\$ 40.00

Packing and Handling for Track (including added pieces) Ordered at Same Time .....\$ 30.00

**Sub Total of Above**.....\$ \_\_\_\_\_

**Sales Tax** (California residents only, apply to above sub-total) .....\$ \_\_\_\_\_

**Shipping** (estimate or contact us for exact quotation) .....\$ \_\_\_\_\_

**Overall Total** .....\$ \_\_\_\_\_

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# Delivery And Payment Information

## 34. Payment Method

To begin your order an initial deposit of \$600.00 is required. Please mark the boxes that indicate your preferred payment method(s) for this deposit.

### 34a. Deposit

- I Am Sending a Check or Money Order For.....\$ \_\_\_\_\_

- I Have Previously Sent, Or I Have a Credit Of.....\$ \_\_\_\_\_

- Please Bill Me for The Deposit Prior to Its Being Required and I Will Make Payment Then

- When Ready to Make My Equipment, Please Charge the Deposit to My Credit Card.

### 34b. Payment of Balance

- When Ready to Ship, Please Charge the Remaining Balance to My Credit Card.

- I Am Sending a Check or Money Order For.....\$ \_\_\_\_\_

- I Have Previously Sent, Or I Have a Credit Of.....\$ \_\_\_\_\_

- Please Bill Me for The Balance Prior to Shipment and I Will Make Payment Then

- I Will Pay The Remaining Balance In Person When I Pick Up Order.

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Card Number \_\_\_\_\_ Expiration Date \_\_\_\_\_ 3 or 4 Digit Code on Back \_\_\_\_\_

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Full Name On Credit Card (if different) \_\_\_\_\_

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Address on Credit Card (if different) \_\_\_\_\_ City \_\_\_\_\_ State or Province \_\_\_\_\_ Zip or Postal Code \_\_\_\_\_

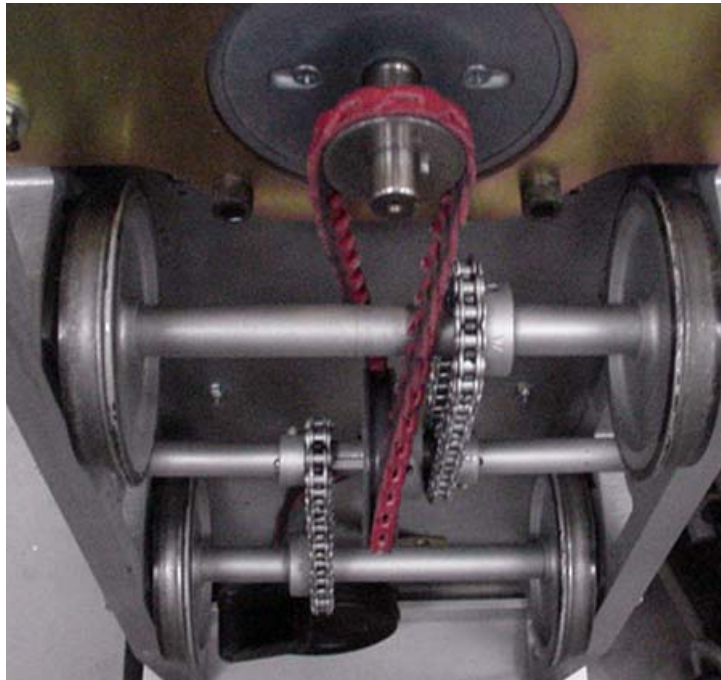
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Signature \_\_\_\_\_

When Completed Mail All Forms To:      Real Trains  
32215 Dunlap Bl.  
Unit D  
Yucaipa, CA 92399 USA  
For Questions Please Call:                 (909)446-0600

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## Ordering Information



## Additional Information



### 12 volts versus 24 volts

We get a lot of questions why our locomotive is 12 volts. Many other products are based on a 24 volt system. While their manufacturers have many reasons that they give, it actually comes down to the fact that they are using a motor adapted from a toy scooter or wheel chair and it is only available as 24 volts.

A 24 volt system requires two 12 volt batteries connected in series. These batteries must be carefully matched to each other. In order to fit, the batteries must usually be of a special, smaller size, and are often quite expensive and available only from limited sources. Charging the batteries requires either a special charger or two separate 12 volt chargers. The usual charge time for these smaller batteries is 15 hours and since both of them run down at the same time you cannot run until they are recharged. The only alternative is to buy two more batteries and remove and replace both of them.

Our 12 volt system is based on a industrial duty, American made motor. It operates from a single Group 27 deep cycle battery that is similar in size to your car battery. This battery is the most common size used in motor homes and is available from all auto parts dealers. Our local Wal-Mart sells them for \$84.00. This battery will provide 5 to 10 hour of operation on one charge. If you need more, a second battery can be carried on your riding car and exchanged in less than 3 minutes due to our plug in cable design. Charging uses only a standard automotive battery charger which you probably already have and takes about 10 hours. With two batteries you can run while the other charges.