

Plymouth Industrial Locomotive Order Form – Battery Electric Version



Real Trains®

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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

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)

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 coloradd \$ 30.00

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)			

5. Select Color of Main Deck and Pilot Beams

This is the portion of the locomotive below the cab and hood, but 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

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 16.

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.) weightadd \$ 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.) weightadd \$ 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).

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

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

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

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
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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
-

Ordering Information

Industrial Locomotive

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

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.

16. 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.

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

Delivery And Payment Information

17. 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.
- 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.

Comments

Delivery And Payment Information

18. Calculation of Total Cost

Transfer the totals from the other forms here

Locomotive\$ _____

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.....\$ 50.00

Sub Total of Above.....\$ _____

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

Shipping (estimate or contact us for exact quotation)\$ _____

Overall Total\$ _____

Delivery And Payment Information

19. Payment Method

To begin your order an initial deposit of \$400.00 is required. Please mark the boxes that indicate your preferred payment method(s) for this deposit.

19a. 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.

19b. 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.

Card Number _____ Expiration Date _____ 3 or 4 Digit Code on Back _____

Full Name On Credit Card (if different) _____

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

Signature _____

When Completed Mail All Forms To: Real Trains
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For Questions Please Call: (909)446-0600

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