

Micro-Mark®

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INSTRUCTIONS FOR #82916 CAR ROUTING SYSTEM



System of Operation

The basic system consists of car cards and waybills. A car card (*figure 1*) accompanies each car on your railroad, whether it is parked or is travelling in a train. It has a pocket in which a waybill (*figure 2*) is inserted. Each waybill has four destinations written on it, but only one destination is visible when it's placed in the car card pocket. During an operating session, trains are made up to move cars to these destinations. Between sessions, the Train Master can cycle (flip over) the waybills to the next destination number to continue car routing.

KIND	AAR
R.R./No.	
DESC.	
EMPTY CAR	
RETURN TO:	
Pocket Micro-Mark #82916	
↑ Top Edge of Pocket ↓	
↓ FOLD LINE ↓	
Fold this section up, then tape two outside edges to form pocket for waybill.	

figure 1

FREIGHT WAYBILL 1	
CONSIGNEE	DESTINY
ADDRESS	STATION
ROUTING	VIA
SHEEPER	INCL. W/O
ADDRESS	STATION
LOADING	CONSIGNEE
FREIGHT WAYBILL 2	

figure 2

Set Up

For each car on your layout, fill out a car card in the spaces provided. Include the following:

- Kind of car: hopper, box, flat, etc.
- AAR designation (see sample list below)
- Railroad and Number: such as UP180974
- Description: usually the color of the car

F — Flat Car	M — Maintenance of Way	T — Tank Car
G — Gondola Car	N — Caboose	V — Ventilator Car
H — Hopper Car	R — Refrigerator Car	X — Box Car
L — Special Car	S — Stock Car	

A more comprehensive list of AAR designations may be found on the internet at <http://members.rogers.com/iancranstone2001/aartype.html>

Fold up the bottom of the card, then tape each side to form a pocket for a waybill.

Now fill out a waybill for each car as well, alternating destinations between on-line (visible) and off-line (invisible or staging) locations:

- Consignee: The company or industry name to which the car is to be delivered
- Address: The town and state in which the consignee is located
- Routing: The railroads on which the car is to travel, in sequential order
- Via: The delivering railroad(s) if different than your “main” railroad
- Shipper: The name of the industry making the shipment
- Address: The town in which the shipper is located
- Lading: the description of the shipment’s contents

Be careful to route cars to sensible locations (example: avoid routing stock cars to an oil refinery). Place the waybill in the car card pocket.

Attach a bill box to the fascia board at each town on your layout and add labels to the front of each bin. In simple form, the left-most bin may be labeled for cards headed in that direction (example: if West is to the left, then label the bin WESTBOUND). Follow the same thinking for the right-most bin, and label the center bin SET-OUT or with the town name. Large yards or towns may require more than one bill box to keep your cards organized properly.

Now, distribute your freight cars around your layout. Do not concern yourself at this point with a starting location that matches the waybill. Place the car cards in the proper bins based on *destination*. Remember...the car card always stays with the car. If the car is parked, then place the card in the bill box located on the layout fascia;

And for advanced operation...

Train Order "Try It" Pack

Pre-printed Train Order forms for realistic dispatching of model trains. Forms marked CFB (Coated Front & Back) are printed on carbonless copy paper; index sheet included for use as a copy blocker.

#84189 Train Order Try It Pack

Contains one pad each of #84184 CFB Clearance Form A, #84185 CFB Form 19, #84186 CFB Form 31 and #84187 plain paper Track Warrant. 50 sheets per pad.

For details, visit micromark.com

Note: Pads of extra forms are available separately.

CLEARANCE FORM A

TO C.A.R.E. _____ at _____

I have _____ orders for your train.

Orders No. _____ No. _____ No. _____ No. _____
 No. _____ No. _____ No. _____ No. _____
 have been delivered and there are no further orders for your train.

and _____ messages.

This form is valid only for your stop destination.

Block is clear occupied _____

Modeld orders will be made for each Conductor, Engineer and Operator, the form remains in use. Form 84184-0001

FORM 19 Train Order No. _____ **FORM 19**
 Dated _____ 19____

To _____ at _____
 To _____ at _____
 To _____ at _____
 To _____ at _____

X _____ Operator _____ M _____

Each employee authorized to act as a sign-off for this order.
 Modeld _____ Form _____ M _____
 Operator _____ M _____

FORM 31 Train Order No. _____ **FORM 31**
 Dated _____ 19____

To _____ at _____
 To _____ at _____
 To _____ at _____
 To _____ at _____

X _____ Operator _____ M _____

Each employee must have a copy of this order.
 Registered _____ at _____ M _____
 Conductor or Engineer _____ Train _____ M _____
 Operator _____ M _____
 Form 84186-0001

TRACK WARRANT

No. _____ at _____

1. Block Number No. _____ to _____
 2. Proposed from _____ to _____
 3. Proposed from _____ to _____
 4. Work between _____ and _____
 5. Clear to other work _____ and _____
 6. Date and time expires at _____ and _____
 7. Clear to other work after actual of _____
 8. Does not block ahead of _____
 9. Clear Main Track at last named point.
 10. Block Main Track at last named point.
 11. Between _____ and _____ track at intermediate
 stations used. Limits imposed by these signs.
 12. Do not exceed _____ mph between _____ and _____
 13. Other specific instructions _____

14. Block with _____ between _____ and _____
 between _____ and _____
 Ok _____ am pm. Dispatched _____ at _____
 Registered Clear _____ at _____
Form 84187-0001

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