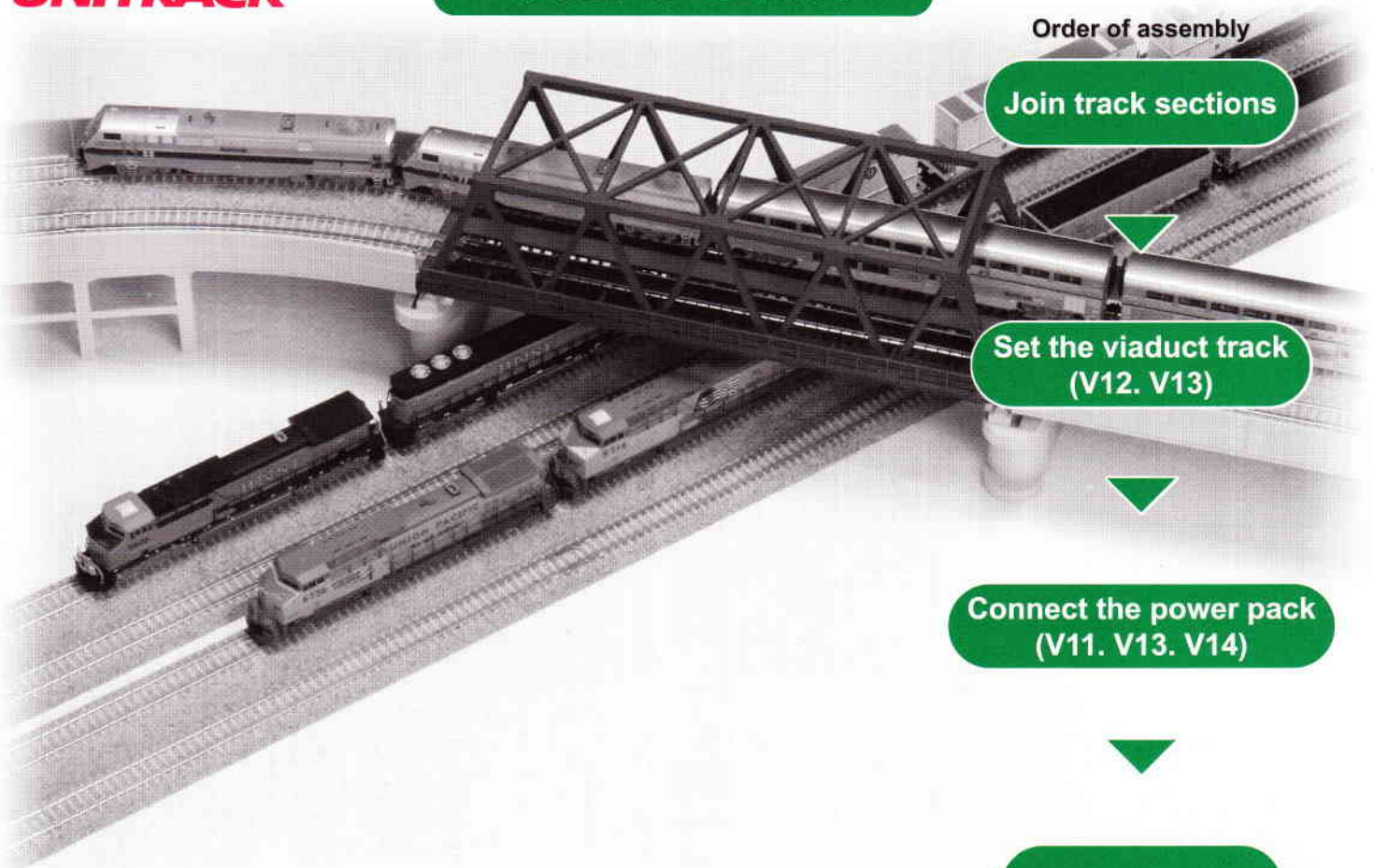


## Starter Guide



Order of assembly

Join track sections

Set the viaduct track  
(V12. V13)

Connect the power pack  
(V11. V13. V14)

Operate the train

UNITRACK's unique design substantially reduces the "work" of building your N-Gauge model railroad layout.

The extensive product line allows more versatility in the design and construction of your layout than any other brand of roadbed track.

### ***N-Gauge railroad models***

N-Gauge railroad models are operated on two-rail tracks via a DC (Direct Current) system. The power pack converts the AC voltage from any house outlet into DC 0~12V to provide power for the track, charging the rails with positive (+) and negative (-) current.

#### **Driving Power**

Current is collected through the wheels of a motorized locomotive which turns the motor and provides rotary power via the drive shaft, moving the car.

#### **Speed Control**

In order to control the speed of the train, use the lever on the power pack to regulate the voltage sent through the rails (0~12V).

#### **Running Direction**

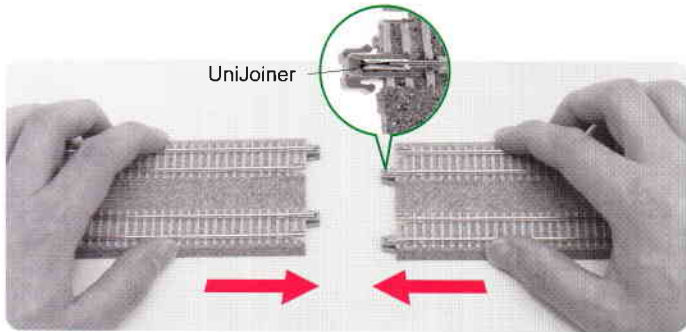
In order to switch the running direction of the train, utilize the reverse lever to switch the direction of current in the tracks.

### **Superelevated Curve Track**

On real railroads, banked, or "Superelevated" curves are implemented to allow trains to go around curves at faster speeds than would normally be safe, much like the banking on a racetrack or highway. Now, Kato provides the world's first easy-to-use Superelevated track. Watch as your trains lean into curves like professional skaters, snaking around your layout with jaw dropping smoothness and precision.

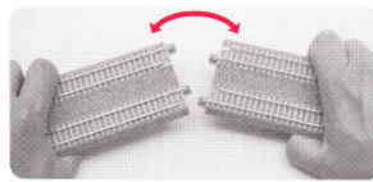


## Joining Track Sections



As shown here, place the track on a flat surface and insert the rail tips into their respective UniJoiners, pressing them together firmly until they snap together. Once connected, they will retain a secure fit and will not loosen.

### Disassemble



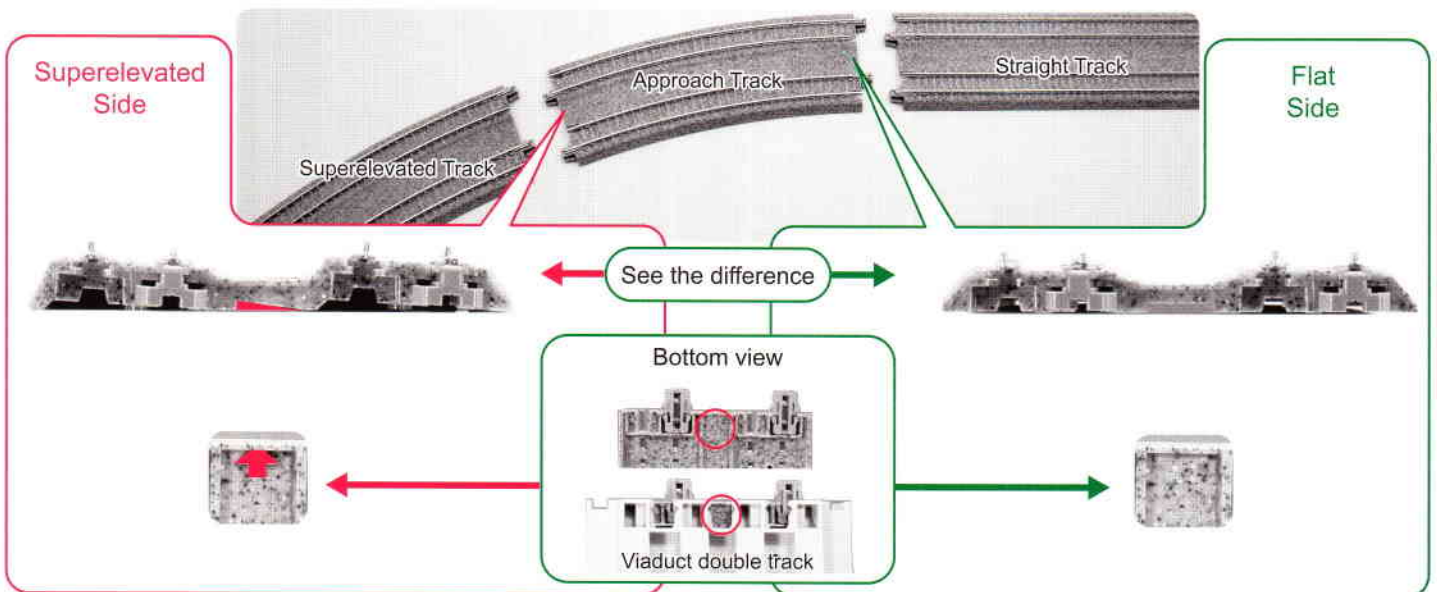
Press out against the edges to snap apart.



Take care not to bend the track sections vertically, as it will break the uni-joiners.

### Approach Track V11. V12. V13. V14 include curve track superelevated

The Easement curve is used to transition into the Superelevated curve pieces from regular curve or straight track. One side is Superelevated, while the other is flat. See below for how to identify the sides.

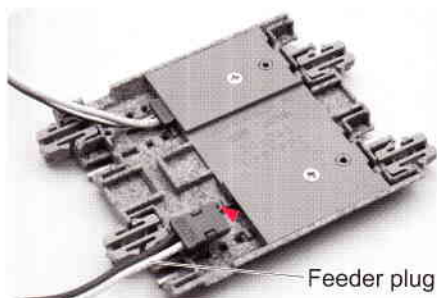


### Feeder Track (V11.V14) \* Feeder Cables (V13) Installation

Included with each set will be a pair of power feeds that will connect your track to your Kato power pack.

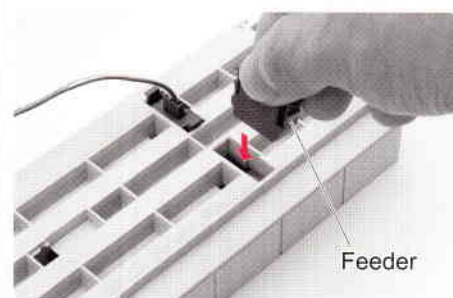
Please note that the grey plug ends will connect to the track, while the white plugs will connect to your power pack.

#### V11.V14



Each power feed plugs into one side of the included feeder track piece.

#### V13

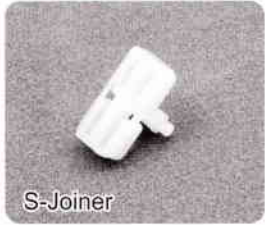


On the Viaduct double track, the special feeder plugs can be inserted into any of the straight double track pieces.

# Setting the Viaduct Track (V12.V13)

## Parts used for assemble

Using the following parts, assemble the viaduct track and attach the piers in proper order.



S-Joiner

Parts to connect Viaduct track and piers



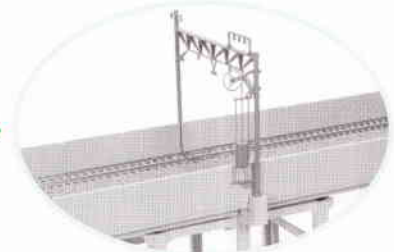
Double track pier

Using different height to set up gradual incline track



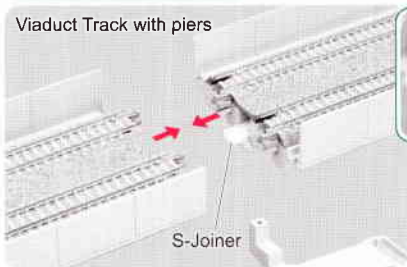
Viaduct catenary pole base

Parts to install Double Track Overhead Catenary Structure sold separately

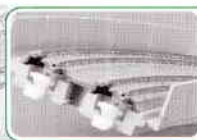


View of Double Track Overhead Catenary Structure

## Viaduct connection

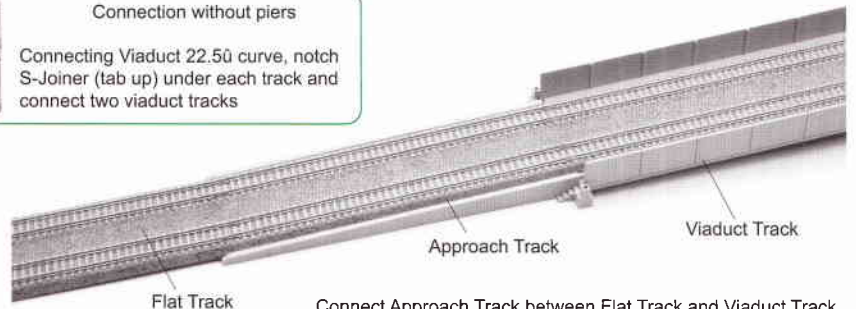


To connect, snap S-Joiner (tab down) in the middle of viaduct, press the two tracks firmly together while holding them horizontally and gently connect into the pier



Connection without piers

Connecting Viaduct 22.50 curve, notch S-Joiner (tab up) under each track and connect two viaduct tracks



Flat Track

Approach Track

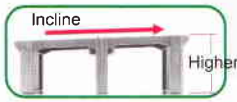
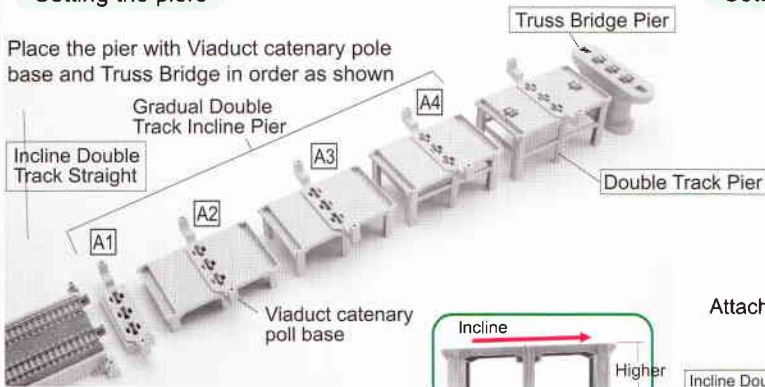
Viaduct Track

Connect Approach Track between Flat Track and Viaduct Track

\*\*Please read about Approach Track before connecting Viaduct Curve Track

## Setting the piers

Place the pier with Viaduct catenary pole base and Truss Bridge in order as shown

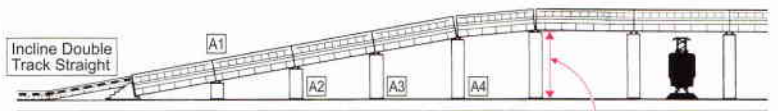


Please set the pier [A2], [A3], and [A4] as inclining gradually

## Setting Viaduct Double Track and Truss Bridge



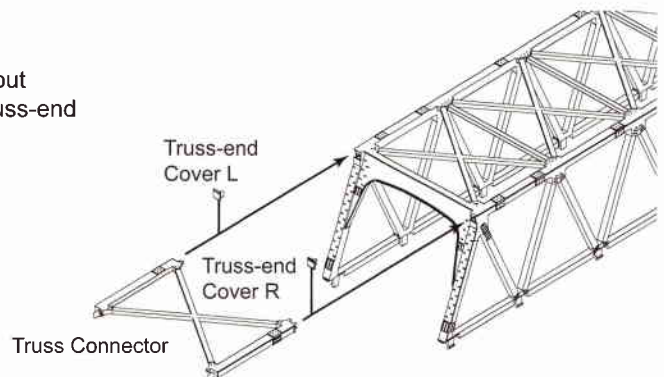
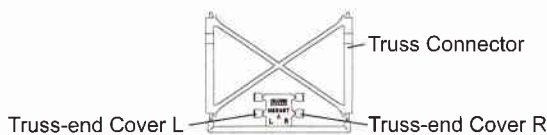
Attach the S-joiner into the middle of piers



Clearance the height for running train under the viaduct track

## Double Track Truss Bridge

V12 comes with Truss-end cover L and R plus Truss connector. The Truss Connector allows you to connect additional bridges without interruption. If additional bridges are not used, simply insert the Truss-end covers into the bridge end holes.



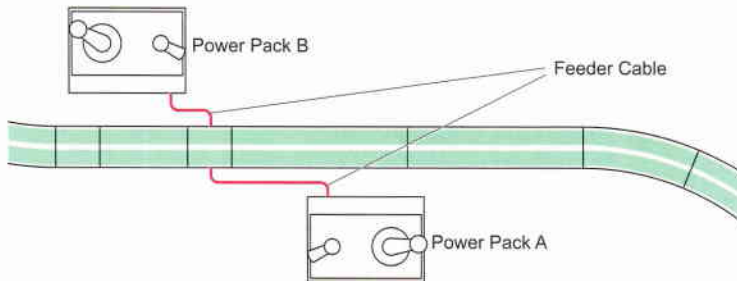
## Connecting the Power Pack, each sold separately (V11.V13.V14)

### Connecting various cables

Insert the power supply connector to the jack and the power supply adapter to the wall outlet. Pilot lamp glows green when powered.

Set the position of the Speed controller to "Stop" and Reverse lever to "Brake".

The white connector from the Feeder Track runs to the power pack. Using two power packs for double track, you can operate each train on individual tracks at the same time.



As the left diagram shows, Power Pack A and Power Pack B can be used to control each powered train on each track

Please refer the instruction sheet in Power Pack or Starter Guide book in the Starter Set.

## Running a motorized car

### Rerailing a train car



Put the rerailer on the track and place the car you wish to rerail on top of it, gently pushing it onto the track.

### Running a motorized car

① The closer to "full speed" you turn the speed control lever, the faster the train will accelerate. The green colored region on the side of the lever indicates the optimum levels of power for safe operation. Take care to watch the train carefully and provide it with an appropriate level of power.

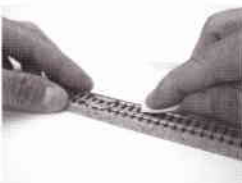
② Place your locomotive or other motorized car on the track, turn the reverse lever on the controller to either forward or backward, and turn the speed control lever to start the train running.



Use two Power Packs and enjoy operating two trains side by side in either direction

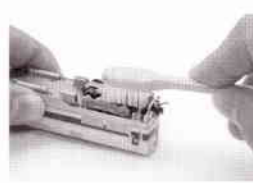
## Maintenance of Track and Train Cars - Following these directions can prevent most common problems from occurring

### Track



Before and after running your trains, gently polish the upper part of the rail using a cloth or toothbrush with a plastic-safe track cleaner, followed by wiping it off with a dry cloth.

### Locomotive



If the wheels of your locomotive are dirty, clean them off using a cloth or toothbrush with a plastic-safe track cleaner, followed by wiping it off with a dry cloth.

## Track set overview

The Kato UNITRACK Master (M) and Variation (V) sets are the ultimate expansion track sets, perfect for beginners who are looking to get started in the hobby, while also providing complex structures for those seeking to create more complex and advanced layouts! Starting with the base Master Set, you can expand to create any layout you desire by adding as many Variation sets or individual UNITRACK pieces as you like! Each Variation set box contains a complete layout landmark, whether it's a staging yard, a passing siding, or a flyover viaduct bridge.



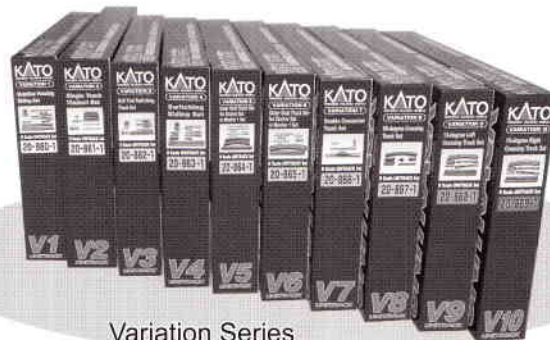
Starter Set Series



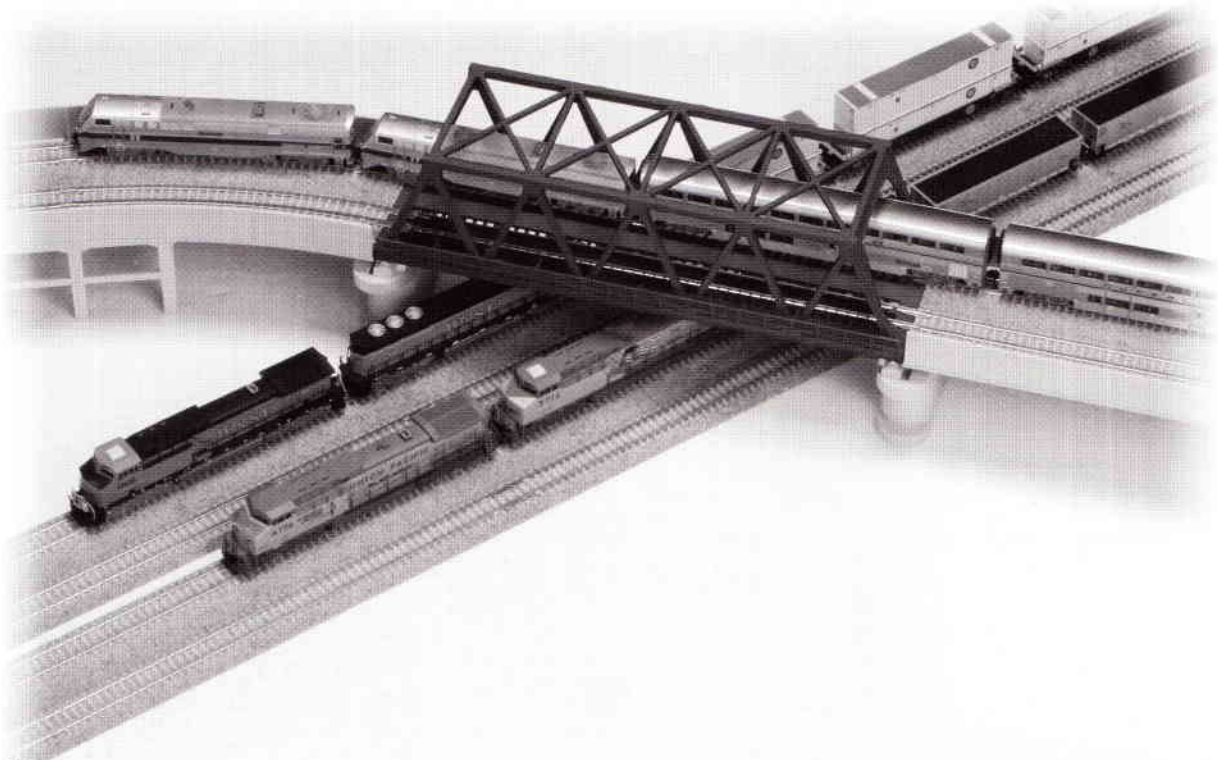
Master Series



Variation Series  
(Double Track)



Variation Series



You can create and expand realistic model train layouts using Master and Variation set series.

Set includes both Track and Power Pack.  
Enjoy running your trains on UNITRACK!

This is the introduction of N-Gauge Starter Sets and Basic Track Sets M1 and M2.  
Make sure your set contents are complete.



Great for  
Beginners!



Good for  
those with  
existing trains



Prices and item numbers of N-Gauge Starter sets may vary dependent on contents.

**N-Gauge Starter Sets \$270.00**

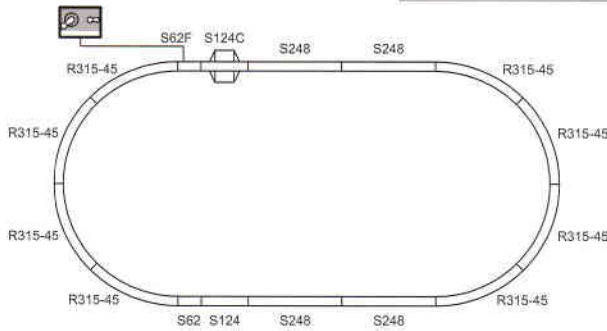
**20-850-1 M1 Master 1 Track Set \$100.00**

The included 315mm (12 3/8") radius curved track will run any Kato train smoothly so you don't have to worry about minimum radii.

Adding the separately sold V series track sets on this standard set M1 can expand the track plan very easily. The included power pack can control even long trains equipped with power-hungry light kits and accessories.

**Track plan**

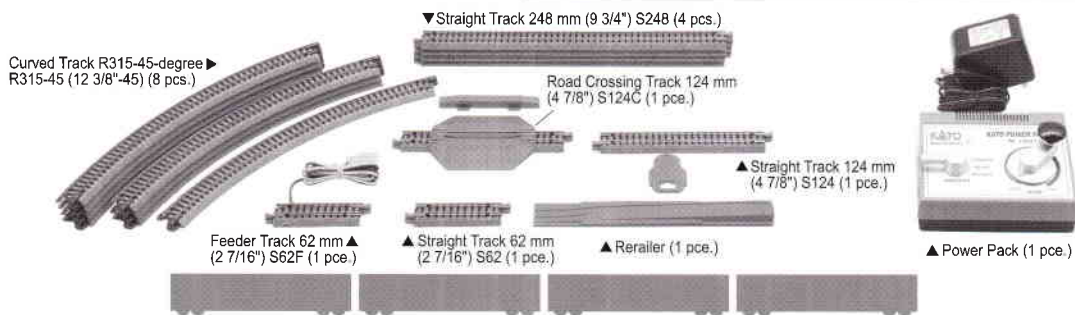
**N-Gauge Starter Set  
M1 Basic Oval Track Set**



Track Plan Exterior Dimensions:  
1337 mm (4.4 feet) x 677 mm (2.2 feet)

This set will make a Basic Oval layout with R315 mm (12 3/8") radius Curves.

**Contents of the Set**



▲ M1 basic track set does not include locomotive or cars

Excluding Locomotives and cars, the track contents of both the N-Gauge starter set and basic M1 set are identical

# UNITRACK Basic Track Set M2 with Turnouts

# M2

Set includes both Track and Power Pack.  
Enjoy running your trains on UNITRACK!

This is the introduction of N-Gauge Starter Sets and Basic Track Sets M1 and M2.  
Make sure your set contents are complete.

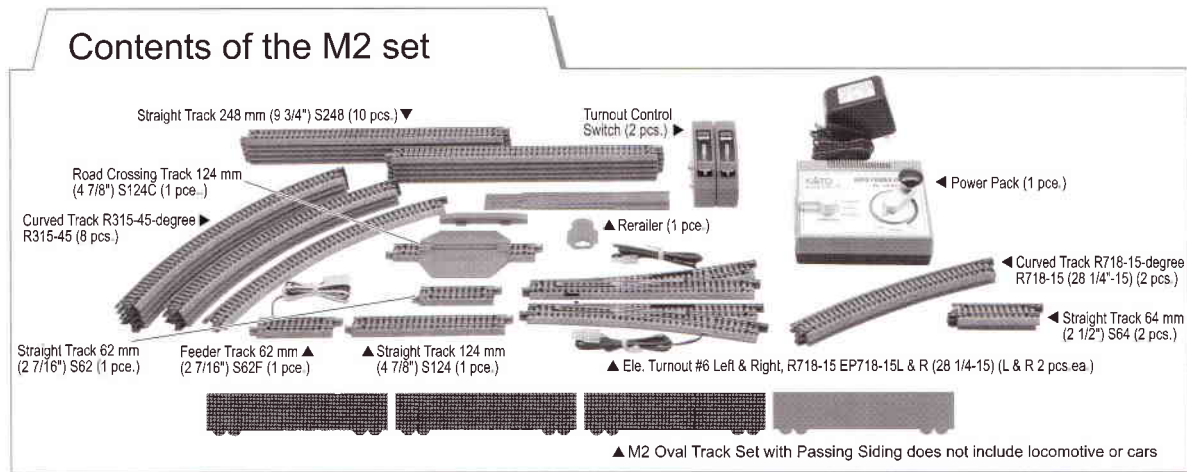
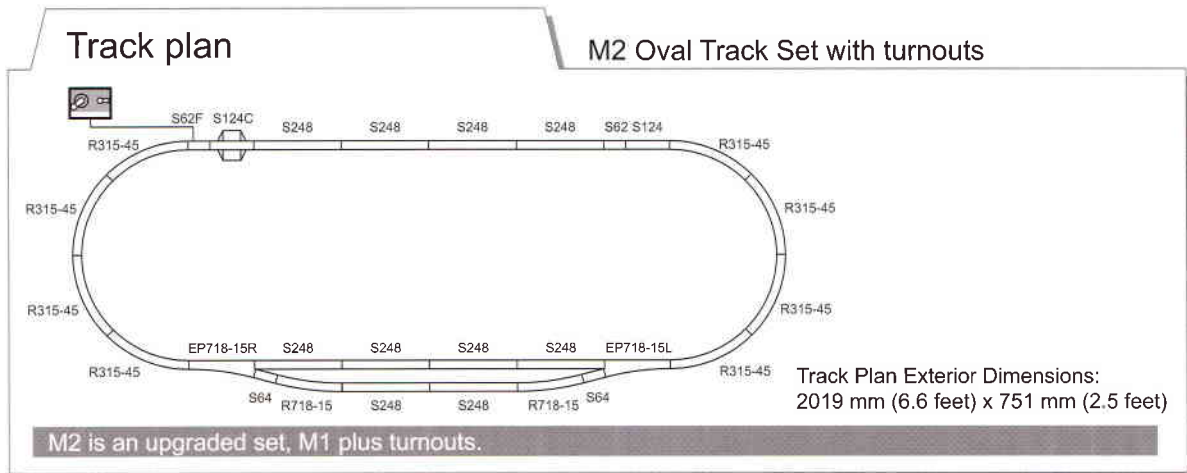


Good for those with existing trains



20-851-1 M2 Basic Track Set with Turnouts \$180.00

The M2 set is an M1 plus V1 passing siding set. Add a station or use the siding for overtaking and passing. By adding separately sold V Series track sets, the basic track plan can be easily expanded. The included power pack can control even long trains equipped with light kits and accessories.



Add your V (Variation) Sets to your basic M1 or M2 set and expand your layout!

V (Variation) Sets are made by combining separately sold track items for expansion of the basic track plan of N-Gauge starter sets or M1, M2 sets. V (Variation) Sets, as such, neither include train nor controller (each sold separately). A V (Variation) Set is an additional set for the basic set, and does not always include track items which can make an oval track. For details, please see explanation of each V set track plan.

Add a station and enjoy trains passing and switching around each other!

V1 Mainline Passing Siding Set

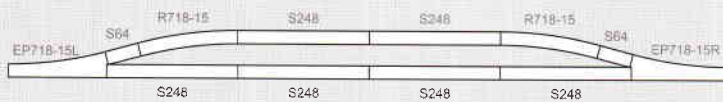
20-860-1

V1 Mainline Passing Siding Set



\$76.00

Track Plan



S248 (6 pcs.) S64 (2 pcs.) R718-15 (2 pcs.) EP718-15L (1 pce.) EP718-15R (1 pce.) Turnout Switch (2 pcs.)

This set, with the included Number 6 turnouts, can be used as a passing siding or as a location for an island platform train station.

Set includes a bridge for overhead crossing.

V2 Single Track Viaduct set

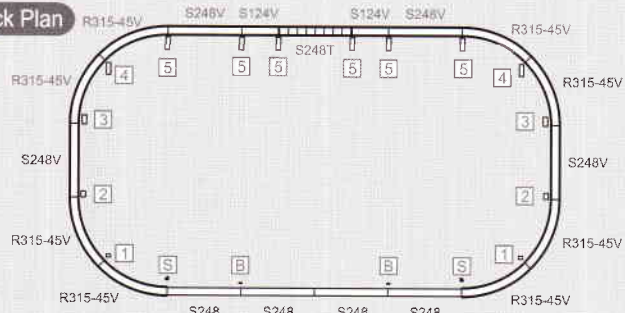
20-861-1

V2 Single Track Viaduct Set



\$110.00

Track Plan



S248 (4 pcs.) S248V (4 pcs.) S124V (2 pcs.) R315-45V (8 pcs.) S248T (1 pce.) Incline Pier Set (1 set) [1] Pier No. 5 (4 pcs.)

This is a Viaduct Set, including R315 mm (12 3/8") Curved Viaducts and Truss Bridge.

STRUCTURES *Recommendable Structures*

This island platform set allows a 6-car train to stop on both sides of the island platform, most suitable for use together with V1 set



[24-202] Figure Set, Station Staff \$12.50

- ① [20-806] Island Platform Set \$21.60
- ② [23-200] Overhead Station \$18.00



Add your V (Variation) Sets to your basic M1 or M2 set and expand your layout!

Use this set to lay sidetrack for rail yard!

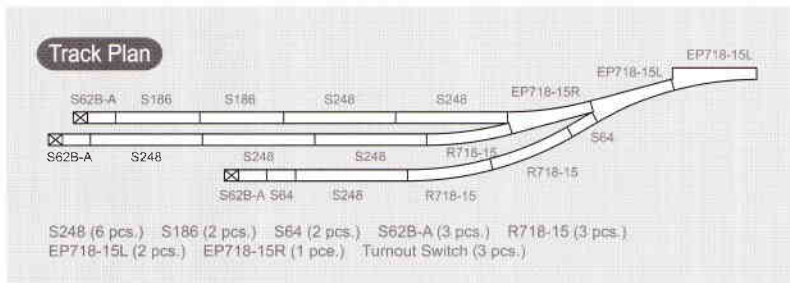
**V3 Rail Yard Switching Track Set**

20-862-1

**V3** Rail Yard Switching Track Set



\$125.00



This set is most suitable to make a small switch yard and train shed location.

Make a station or signal tower where trains pass by each other!

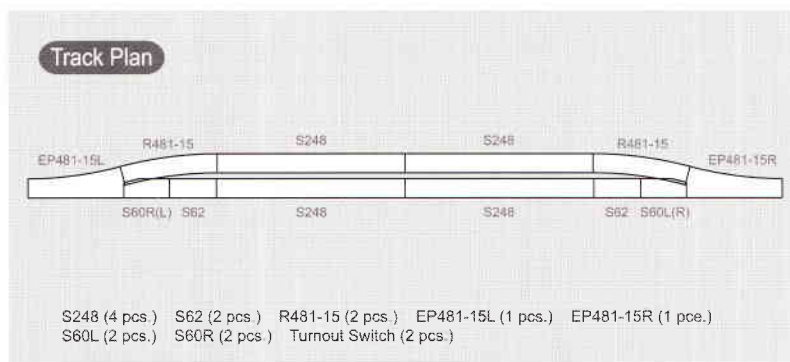
**V4 Switching Siding Set**

20-863-1

**V4** Switching Siding Set



\$95.00



This Switching Siding set uses number 4 turnouts to create closely placed sidetracks for trains to exchange cars or move aside while preserving layout space.

**STRUCTURES** Recommendable Structures



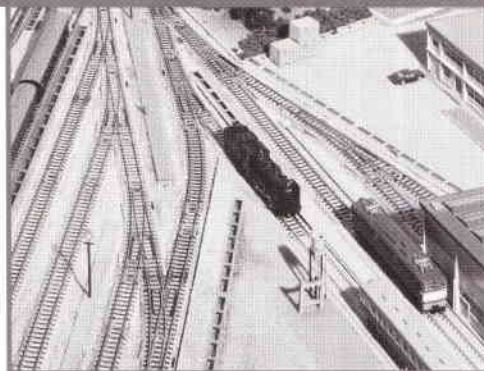
[23-300] Long Engine House (Kit) \$13.20



[23-310] Railroad Staff Office Building (Kit) \$24.00



[24-203] Figure Set, Railroad Workers \$12.50



Add your V (Variation) Sets to your basic M1 or M2 set and expand your layout!  
 These expansions let you create inner and outer ovals for your basic oval layout!

**Easily set up and run parallel tracks!**

**V5 Inner Oval Track Set for Master 1 Set**  
**V6 Outer Oval Track Set for Master 1 Set**

20-864-1 V5 Inner Oval Track Set for Master 1 Set  
 20-864-2 V6 Outer Oval Track Set for Master 1 Set

V5 and V6 Sets are all the same in the contents but the radius of Curved Track is different  
 V5 and V6 sets do not include a Power Pack. You will need to purchase an additional Power Pack separately for the inner or outer ovals if they are not connected to the main oval (via the V7).

V5 Track Plan Exterior Dimensions: 1271 mm (4.2 feet) x 611 mm (2 feet)  
 V6 Track Plan Exterior Dimensions: 1403 mm (4.6 feet) x 743 mm (2.4 feet)

20-864-1

**V5 Inner Oval Track Set for Master 1 Set**



**\$35.00**

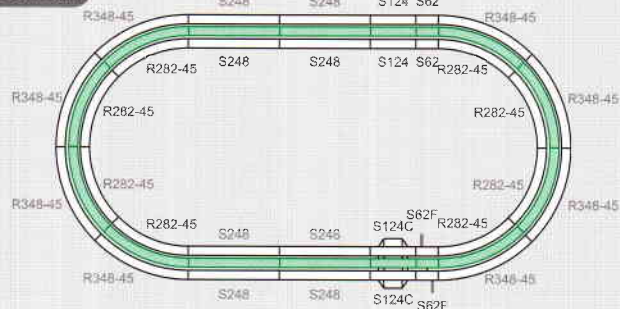
20-865-1

**V6 Outer Oval Track Set for Master 1 Set**



**\$37.00**

**Track Plan**



S248 (4 pcs) S124 (1 pce) S124C (1 pce) S62 (1 pce) S62F (1 pce)  
 R282-45 (only in V5 Set) (8 pcs) R348-45 (only in V6 Set) (8 pcs) Rerailer (1 pce.)  
 Feeder Cable (Blue/White) 1 pce.

M1 or M2 basic oval track is in the colored part

This set is to lay the second oval track inside or outside of the basic oval track of M1 or M2 set for double-tracking.

**Set the turnouts to change track**

**V7 Double Crossover Track Set**

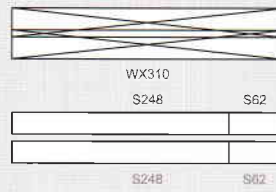
20-866-1

**V7 Double Crossover Track Set**



**\$80.00**

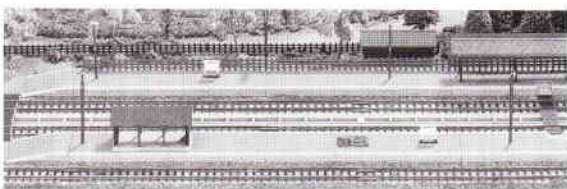
**Track Plan**



WX310 (1 pce) S248 (2 pcs) S62 (2 pcs) Turnout Switch (1 pce)

This Double Crossover turnout set is used to link adjacent tracks together, such as the M1 and V5 or M1 and V6.

**STRUCTURES** *Recommendable Structures*



[23-130] Rural Platform (Kit) **\$78.00**



[23-220] Rural Station (Kit) **\$57.60**

Add your V (Variation) Sets to your basic M1 or M2 set and expand your layout!

Create a figure-8 track layout!

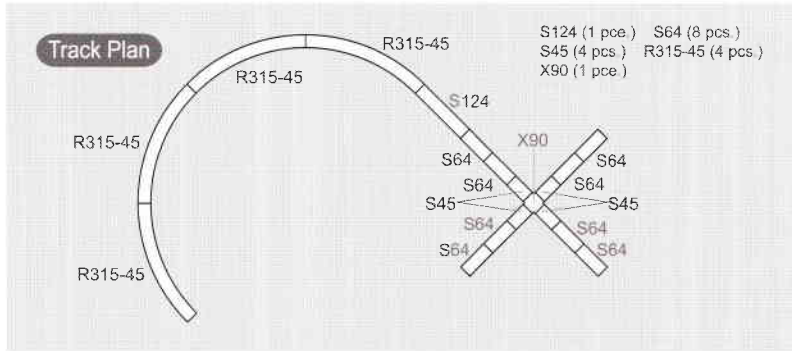
V8 90-Degree Crossing Track Set

20-867-1

**V8** 90-Degree Crossing Track Set



\$37.00



Combined with an M1 Track Set or Starter Set, the V8 can create a figure-8 shaped layout.

Create a double oval track with a 15-degree crossing!

V9 15-degree Left Crossing Track Set

V10 15-degree Right Crossing Track Set

20-868-1

**V9** 15-degree Left Crossing Track Set



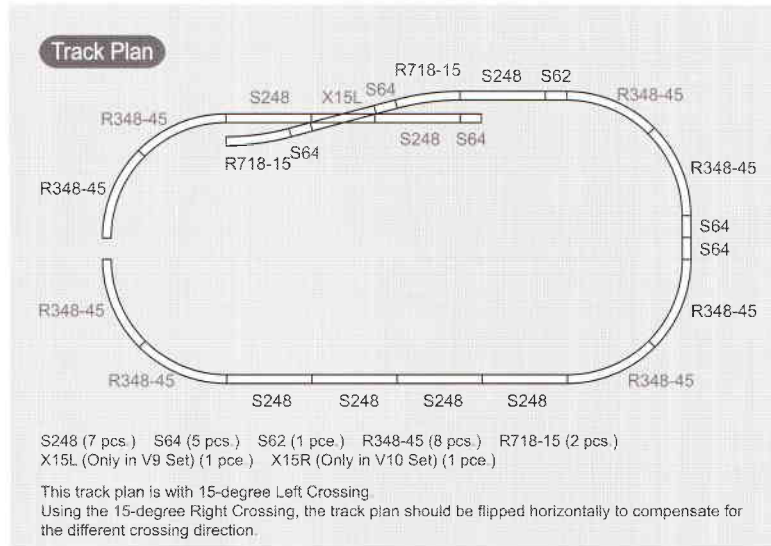
\$54.00

20-869-1

**V10** 15-degree Right Crossing Track Set

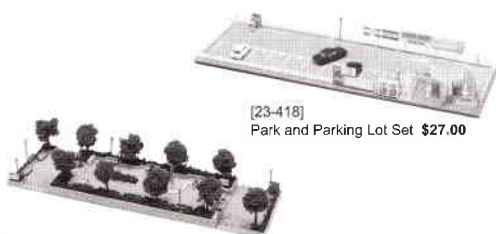


\$54.00

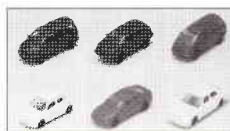


In combination with the oval track of M1, V9 or V10 set can create an oval track plan with 15-degree crossing.

**STRUCTURES** *Recommendable Structures*



[23-418] Park and Parking Lot Set \$27.00



[23-505] 6-Car Set \$13.98



# UNTRACK Expansion Set (Double Track) **V11 V12**

Add your V (Variation) Sets to your basic M1 or M2 set and expand your layout!

Enjoy running two trains through banked, Superelevated curves!

## V11 Double Track Set

20-870-1 V11 Superelevated Double Track Set

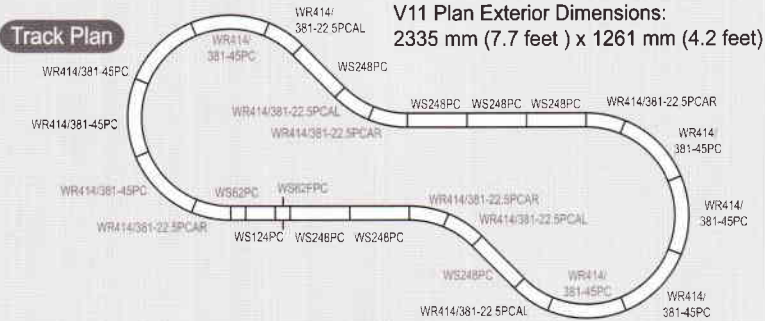
20-870-1

### V11 Double Track Set



\$98.00

#### Track Plan



WS248PC (7 pcs) WS124PC (1 pce) WS62PC (1 pce) WS62FPC (1 pce)  
WR414/381-45PC (8 pcs) WR414/381-22 5PCAL (4 pcs) WR414/381-22 5PCAR (4 pcs)

This set can run two trains separately through a basic double oval track plan.

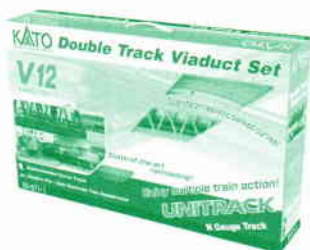
This set allows two trains to run simultaneously with a two-level crossing on Superelevated curves.

## V12 Double Track Viaduct Set

Double-Track Pier Set (1 pce.)

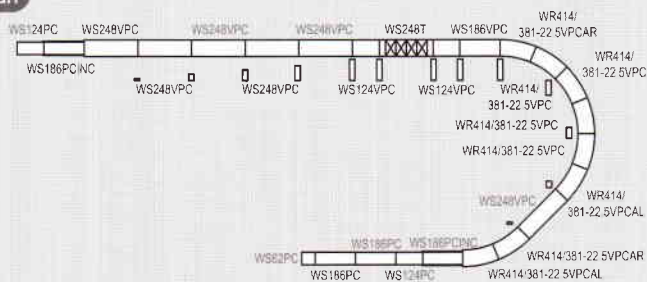
20-871-1

### V12 Double Track Viaduct Set



\$189.00

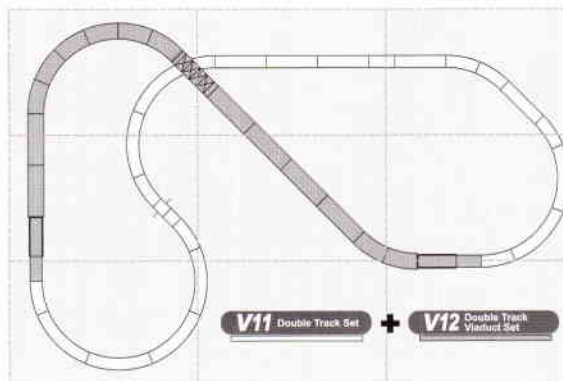
#### Track Plan



WS186PC (2 pcs) WS124PC (2 pcs) WS62PC (1 pce) WS248VPC (6 pcs) WS186VPC (1 pce)  
WS124VPC (2 pcs) WS248T (1 pce) WR414/381-22 5VPC (4 pcs) WR414/381-22 5VPCAL (2 pcs)  
WR414/381-22 5VPCAR (2 pcs) WS186PCINC (2 pcs) Double-Track Pier Set (1 pce)  
Piers for Double Track Viaducts (3 pcs) Piers for Truss Bridge (2 pcs)

Included Viaduct and Bridge pieces elevate the track to allow for two-level crossing.

A two-level crossing made with double track



# UNITRACK Expansion Set (Double Track) **V13 V14**

Add your V (Variation) Sets to your basic M1 or M2 set and expand your layout!

Start operating trains by going around an elevated loop!

V13 Double Track Elevated Loop Set

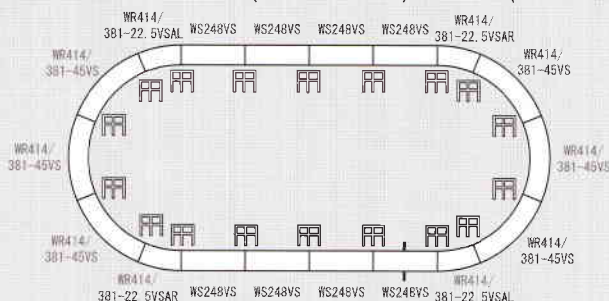
**V13** Double Track Elevated Loop Set



\$165.00

Track Plan

V13 Plan Exterior Dimensions:  
1864 mm (6 feet 1 1/2 inch) x 872 mm (2 feet 10 1/2 inch)



WS248VS (8 pcs.) WR414/381-45VS (6 pcs.) WR414/381-22 5VSAL (2 pcs.)  
WR414/382-22 5VSAR (2 pcs.) Double Track Pier (18 pcs.) Double Track Viaduct Power Code (2 pcs.)

Create an exciting aerial level layout!

Enjoy running two trains through banked, Superelevated curves!

V14 Inside loop Double Track Set R315/282

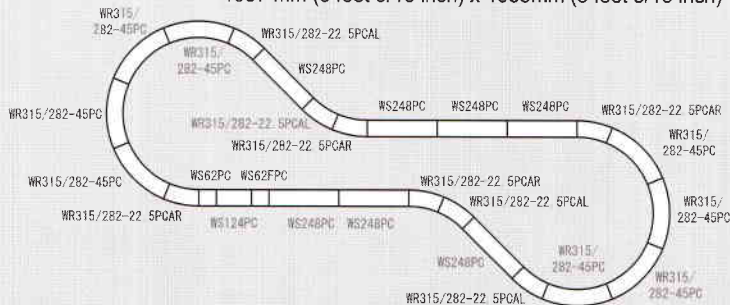
**V14** Inside loop Double Track Set R315/282



TBA

Track Plan

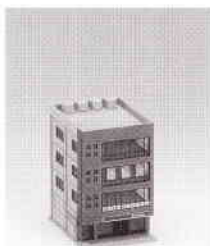
V14 Plan Exterior Dimensions:  
1997 mm (6 feet 9/16 inch) x 1005mm (3 feet 5/16 inch)



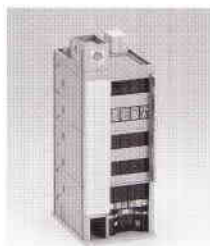
WS248PC (7 pcs.) WS124PC (1 pce.) WS62PC (1 pce.) WS62FPC (1 pce.)  
WR315/282-45PC (8 pcs.) WR315/282-22 5PCAL (4 pcs.) WR315/282-22 5PCAR (4 pcs.)

This set can run two trains separately through a basic double oval track plan.

## STRUCTURES *Recommendable Structures*



[23-431A]  
4-Floor Office Building,  
Brick



[23-432A]  
6-Floor Office Building 1,  
Gray



[23-433A]  
6-Floor Department Store,  
Blue



[23-434A]  
6-Floor Office Building 2,  
Gray

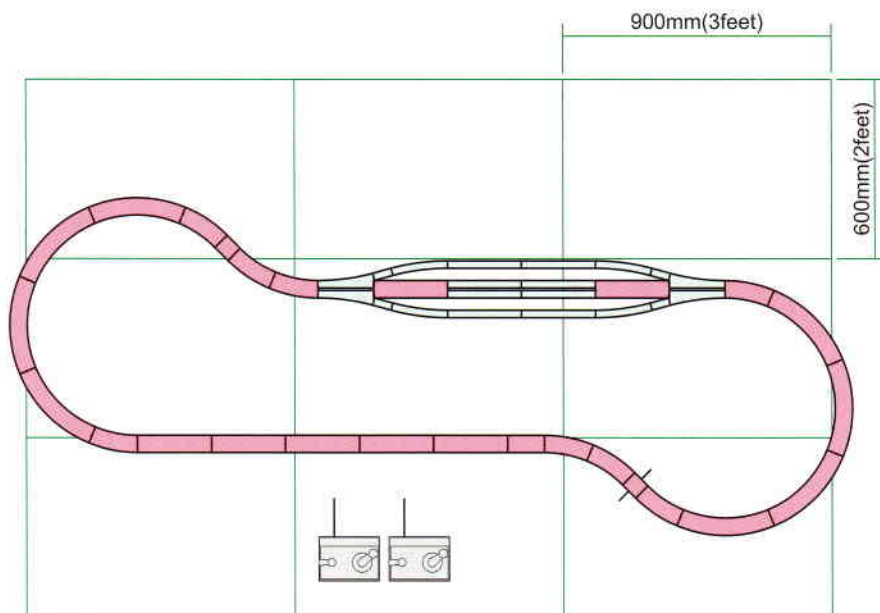


[23-435A]  
6-Floor Office Building,  
Ivory

Expand your layout with the **KATO UNITRACK** Master and Variation sets!

**V11 + V1 x 2**

Add passing sidings to your superelevated double track loop!



□ V1    ■ V11

**V1** Mainline Passing Siding Set  
 20-860-1.....\$76.00  
 x2.....\$152.00

+

**V11** Double Track Viaduct Set  
 20-870-1.....\$98.00

+

Kato Power Pack (requires 2 units)  
 22-014.....\$65.00  
 x2.....\$130.00

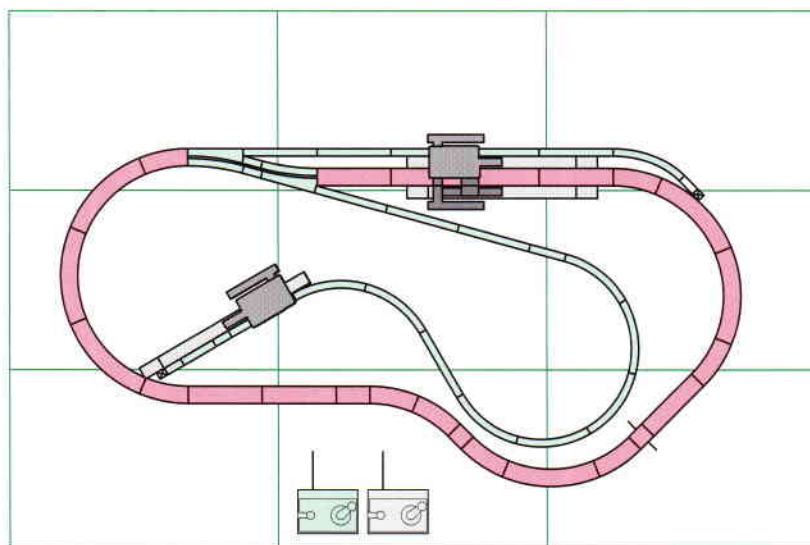
**Total US\$**.....\$380.00

Layout Size : 2823mm x 1130mm (9' 3" x 3' 8 1/2")

The Double Track sets such as the V11 can be combined with Single-track V sets for more complex and exciting layouts.

**M2 (M1 + V1) + V11**

Run a continuous passenger service while moving cars on and off the main line!



□ M2    ■ V11

○ One-sided Flag Stop Platform  
 ● Overhead Transit Station  
 ● Overhead Transit Station Expansion Set

**M2** Loop Track set w/Elec. Turnout+Power Pack Set  
 20-851-1.....\$180.00

+

**V11** Double Track Viaduct Set  
 20-870-1.....\$98.00

+

Bumper A 62mm  
 20-046.....\$6.75

+

Kato Power Pack (requires 2 units)  
 22-014.....\$65.00

**Total US\$**.....\$349.75

One-sided Flag Stop Platform  
 23-121  
 (requires 3 units)

Overhead Transit Station  
 23-122  
 (requires 2 units)

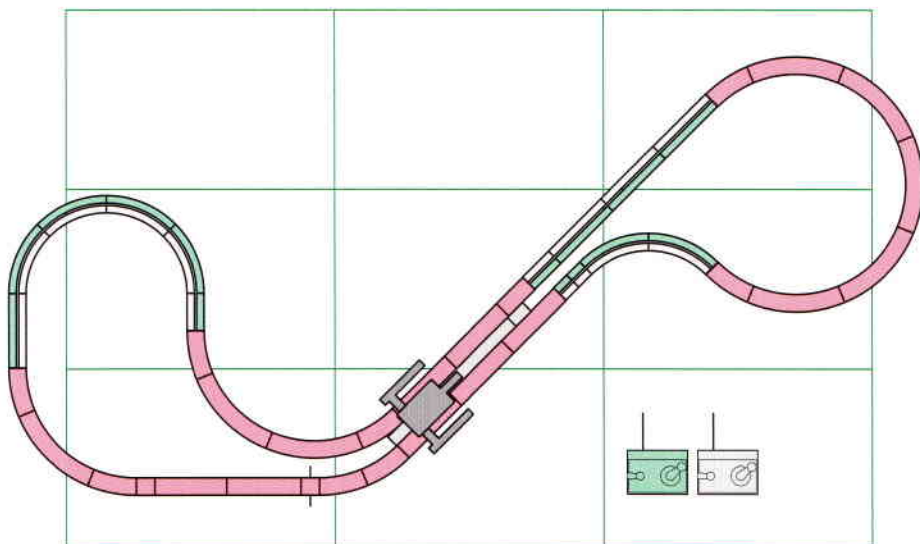
Overhead Transit Station Expansion Set  
 23-123

Layout Size : 2279mm x 1130mm (7' 6" x 3' 8 1/2")

The addition of structures can enhance your layout design and greatly improve realism.

## M1 + V5 + V11

Use an island platform to simulate a combined commuter and express operations!



- M1
- V5
- V11
- Island Flag Stop Platform
- Overhead Transit Station
- Overhead Transit Station Expansion Set

- M1** Basic Oval Track Set w/Kato Power Pack Set  
20-850-1 .....\$100.00
- +
- V5** Inner Oval Track Set  
20-864-1 .....\$35.00
- +
- V11** Double Track Viaduct Set  
20-870-1 .....\$98.00
- +
- Kato Power Pack(requires 2 units)  
22-014 .....\$65.00

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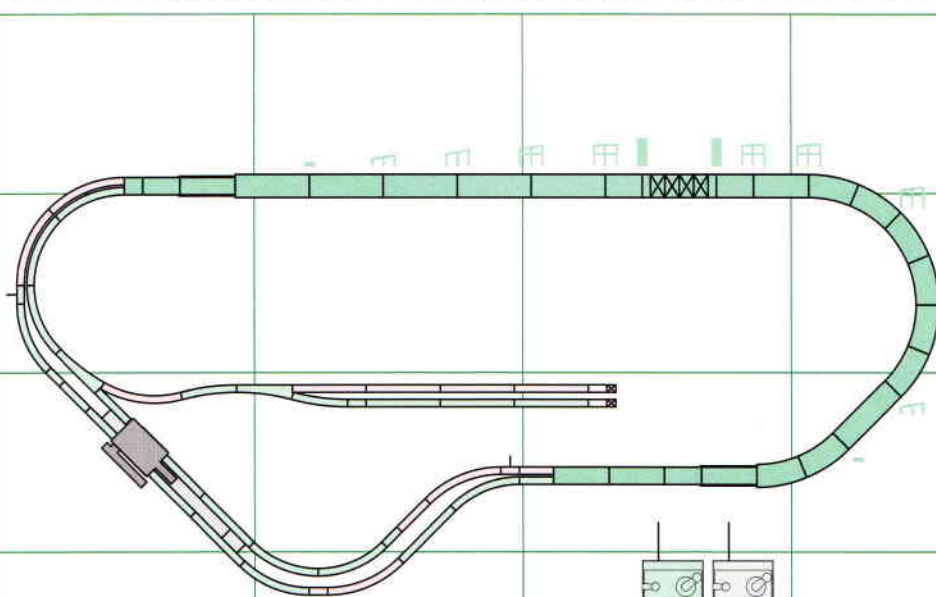
- Total US\$** .....\$298.00

- Island Flag Stop Platform  
23-120
- Overhead Transit Station  
23-122
- Overhead Transit Station Expansion Set  
23-123

Layout Size: 3064mm × 1467mm (10' 1/2" × 4' 10")

## M2(M1 + V1) + V6 + V12

Add a waiting area to your superelevated double track viaduct system!



- M2
- V6
- V12
- Island Flag Stop Platform
- Overhead Transit Station

- M2** Loop Track set w/Elec. Turnout+Power Pack Set  
20-851-1 .....\$180.00
- +
- V6** Outer Oval Track Set  
20-865-1 .....\$37.00
- +
- V12** Double Track Viaduct Set  
20-871-1 .....\$189.00
- +
- Bumper A 62mm  
20-046 .....\$6.75
- +
- Kato Power Pack(requires 2 units)  
22-014 .....\$65.00

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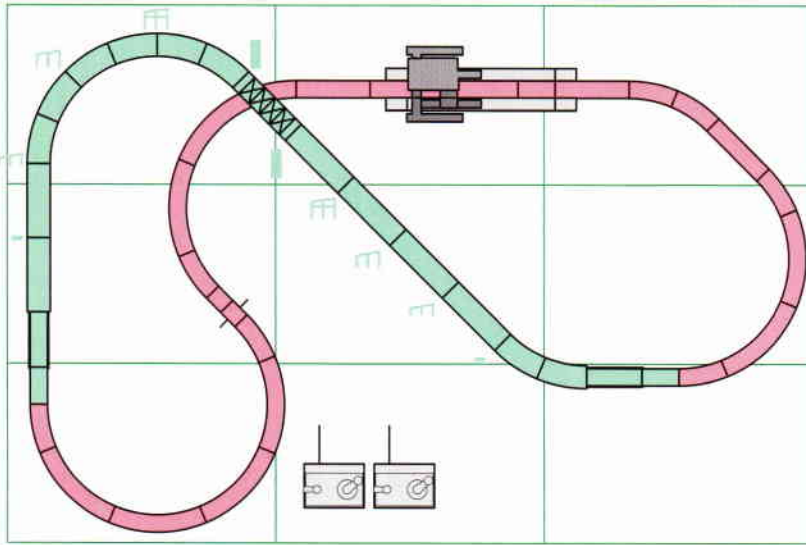
- Total US\$** .....\$477.75

- Island Flag Stop Platform  
23-120
- Overhead Transit Station  
23-122

Layout Size: 3091mm × 1407mm (10' 2" × 4' 7 1/2")

# V11 + V12

Create a superelevated flyover in a compact space!



**V11**  **V12**

- One-sided Flag Stop Platform
- Overhead Transit Station
- Overhead Transit Station Expansion Set

Layout Size : 2611mm × 1669mm (8' 7" × 5' 6")

**V11** Double Track Viaduct Set  
20-870-1.....\$98.00

+

**V12** Double Track Viaduct Set  
20-871-1.....\$189.00

+

Kato Power Pack(requires 2 units)  
22-014.....\$65.00  
x2.....\$130.00

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**Total US\$**.....\$417.00

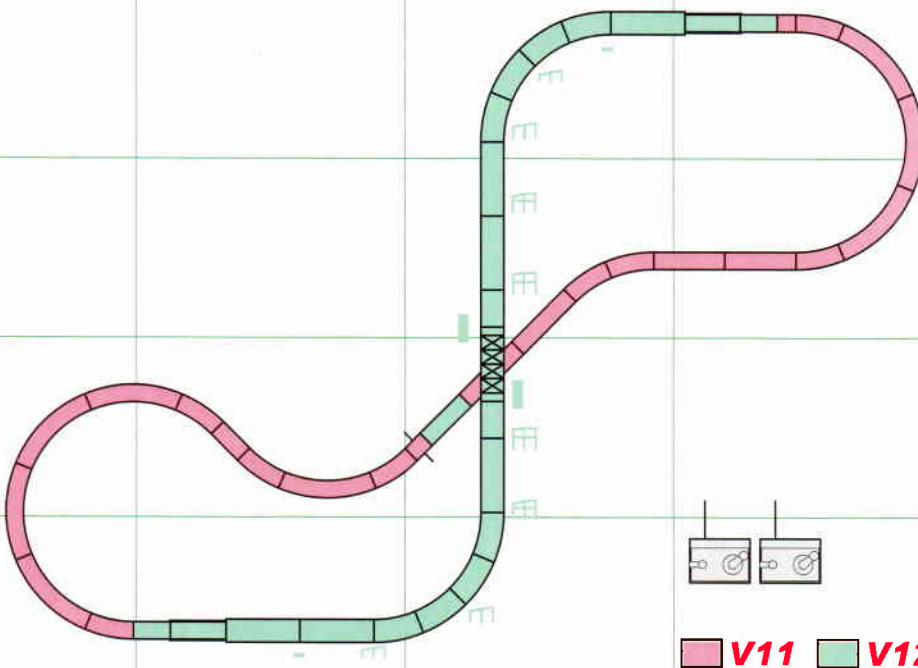
**One-sided Flag Stop Platform**  
23-121  
(requires 2 units)

**Overhead Transit Station**  
23-122

**Overhead Transit Station Expansion Set**  
23-123

# V11 + V12

Superelevated curves and flyovers provide endless enjoyment!



**V11**  **V12**

Layout Size : 3074mm × 2112mm (10' 1" × 6' 11")

**V11** Double Track Viaduct Set  
20-870-1.....\$98.00

+

**V12** Double Track Viaduct Set  
20-871-1.....\$189.00

+

Kato Power Pack(requires 2 units)  
22-014.....\$65.00  
x2.....\$130.00

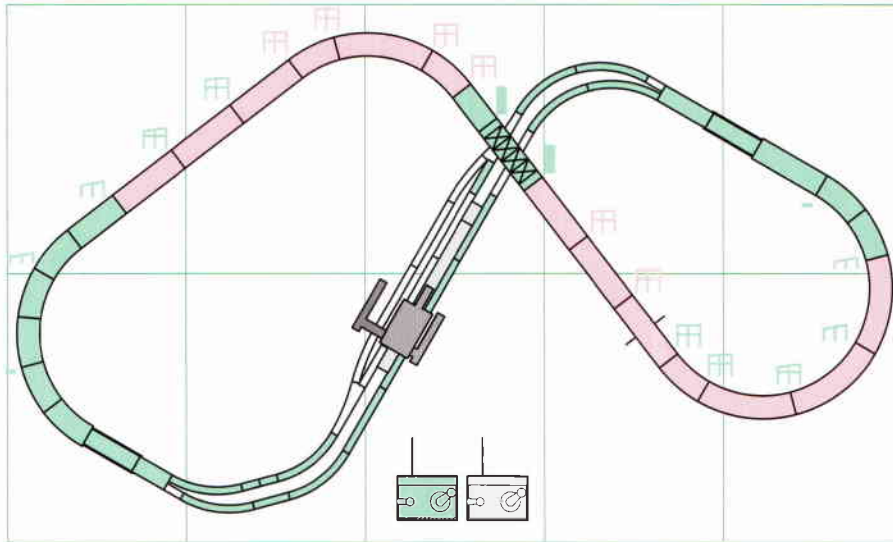
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**Total US\$**.....\$417.00



## M1 + V1 + V12 + V13

Add a passing siding to your high-speed crossover layout



■ M1    ■ V1  
■ V12    ■ V13

○ Island Flag Stop Platform  
● Overhead Transit Station  
● Overhead Transit Station Expansion Set

**M1** Basic Oval Track Set w/Kato Power Pack Set  
 20-850-1 ..... \$100.00  
 +  
**V1** Mainline Passing Siding Set  
 20-860-1 ..... \$76.00  
 +  
**V12** Double Track Viaduct Set  
 20-871-1 ..... \$189.00  
 +  
**V13** Double Track Elevated Loop Set  
 20-872-1 ..... \$165.00  
 +  
 Kato Power Pack (requires 2 units)  
 22-014 ..... \$65.00  


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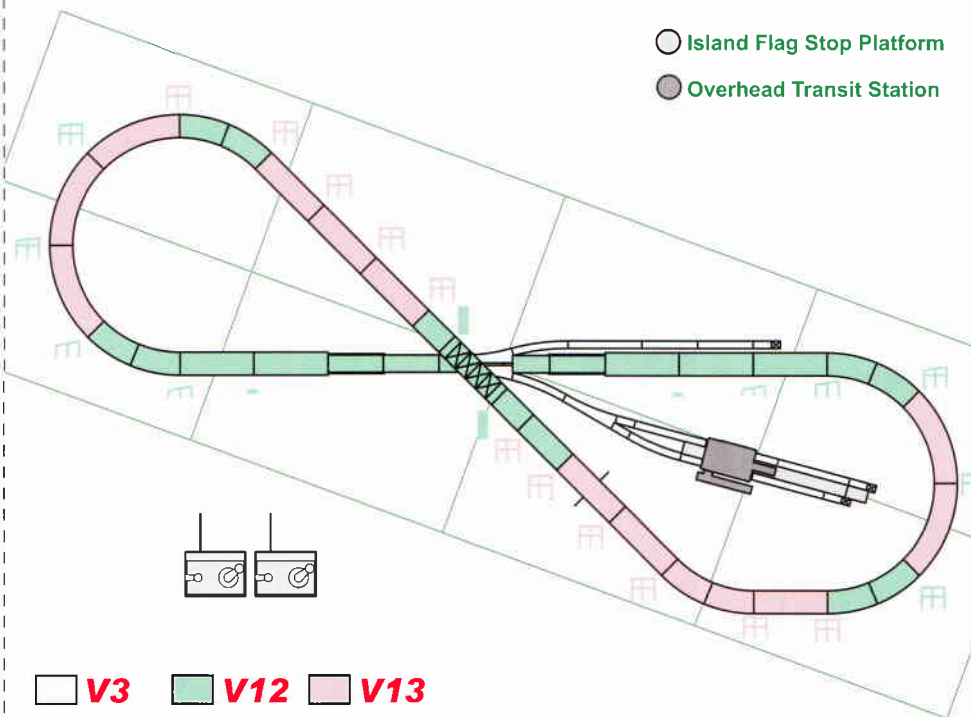
**Total US\$** ..... \$595.00

Island Flag Stop Platform  
 23-120  
 Overhead Transit Station  
 23-122  
 Overhead Transit Station Expansion Set  
 23-123

Layout Size: 2936mm × 1605mm (9' 7 1/2" × 5' 3")

## V3 + V12 + V13

Add a switching rail yard to your high-speed cross over layout



■ V3    ■ V12    ■ V13

○ Island Flag Stop Platform  
● Overhead Transit Station

**V3** Rail Yard Switching Track Set  
 20-862-1 ..... \$125.00  
 +  
**V12** Double Track Viaduct Set  
 20-871-1 ..... \$189.00  
 +  
**V13** Double Track Elevated Loop Set  
 20-872-1 ..... \$165.00  
 +  
 Kato Power Pack (requires 2 units)  
 22-014 ..... \$65.00  
 x2 ..... \$130.00  


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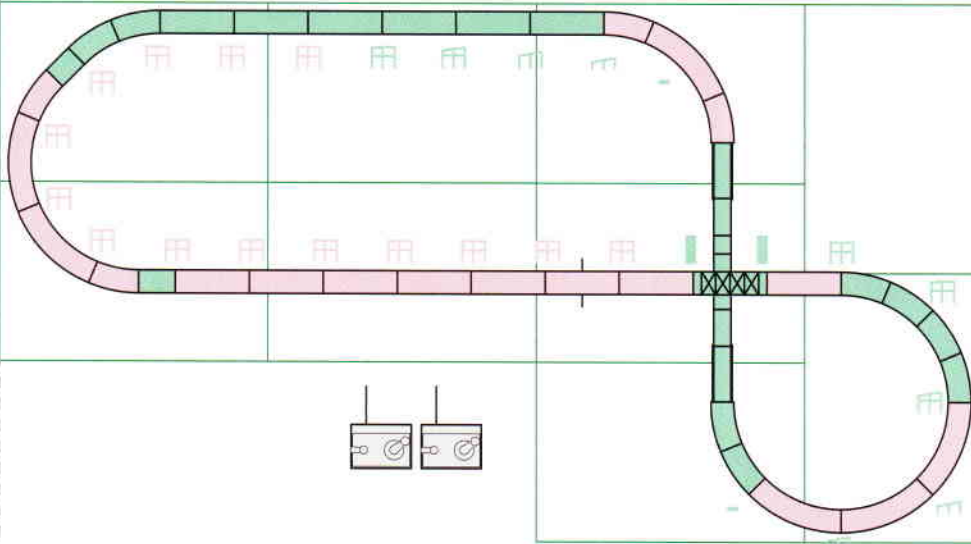
**Total US\$** ..... \$609.00

Island Flag Stop Platform  
 23-120  
 Overhead Transit Station  
 23-122

Layout Size: 3183mm × 958mm (10' 5 1/2" × 3' 1 1/2")

## V12+V13

Run your trains at high speed through long straights!



■ V12 ■ V13

Layout Size: 3228mm × 1740mm (10' 7" × 5' 8 1/2")

**V12** Double Track Viaduct Set  
20-871-1.....\$189.00

+

**V13** Double Track Elevated Loop Set  
20-872-1.....\$165.00

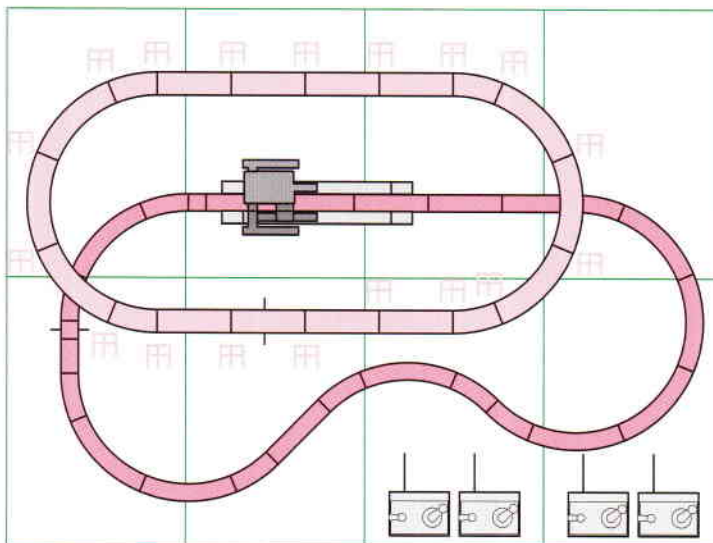
+

Kato Power Pack(requires 2 units)  
22-014.....\$65.00  
x2.....\$130.00

**Total US\$**.....\$484.00

## V11+V13

Operate passenger elevated freight ground level



■ V11 ■ V13

○ One-sided Flag Stop Platform  
● Overhead Transit Station  
● Overhead Transit Station Expansion Set

Layout Size: 2267mm × 1435mm (7' 5 1/2" × 4' 8 1/2")

**V11** Double Track Viaduct Set  
20-870-1.....\$98.00

+

**V13** Double Track Elevated Loop Set  
20-872-1.....\$165.00

+

Kato Power Pack(requires 2 units)  
22-014.....\$65.00  
x4.....\$260.00

**Total US\$**.....\$523.00

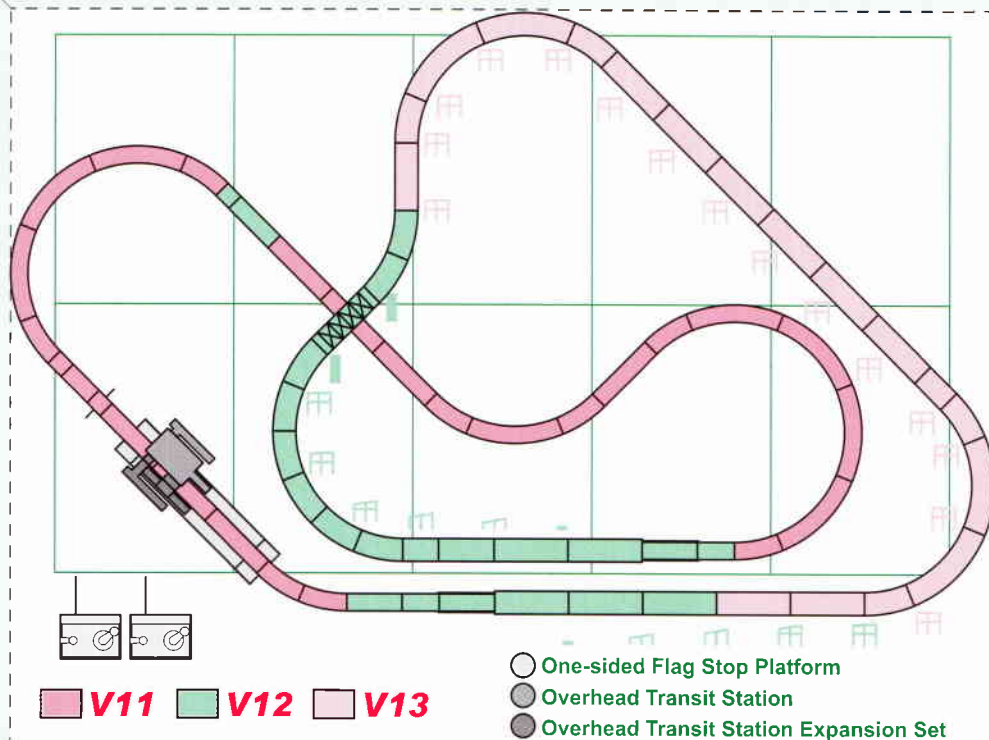
**One-sided Flag Stop Platform**  
23-121  
(requires 2 units)

**Overhead Transit Station**  
23-122

**Overhead Transit Station Expansion Set**  
23-123

# V11 + V12 + V13

Mix long straights with exciting curves (option 1)



- V11** Double Track Viaduct Set  
20-870-1 .....\$98.00
- +
- V12** Double Track Viaduct Set  
20-871-1 .....\$189.00
- +
- V13** Double Track Elevated Loop Set  
20-872-1 .....\$165.00
- +
- Kato Power Pack (requires 2 units)  
22-014 .....\$65.00  
x2 .....\$130.00

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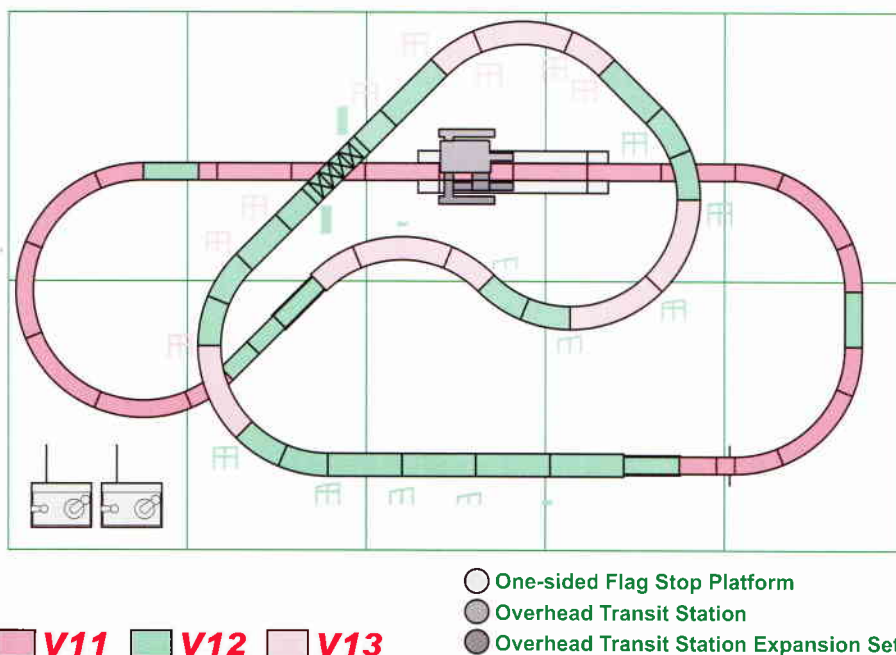
- Total US\$** .....\$582.00

- One-sided Flag Stop Platform**  
23-121  
(requires 2 units)
- Overhead Transit Station**  
23-122
- Overhead Transit Station Expansion Set**  
23-123

Layout Size: 3300mm x 2012mm (10' 10" x 6' 7 1/2")

# V11 + V12 + V13

Mix long straights with exciting curves (option 2)



- V11** Double Track Viaduct Set  
20-870-1 .....\$98.00
- +
- V12** Double Track Viaduct Set  
20-871-1 .....\$189.00
- +
- V13** Double Track Elevated Loop Set  
20-872-1 .....\$165.00
- +
- Kato Power Pack (requires 2 units)  
22-014 .....\$65.00  
x2 .....\$130.00

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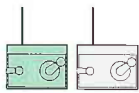
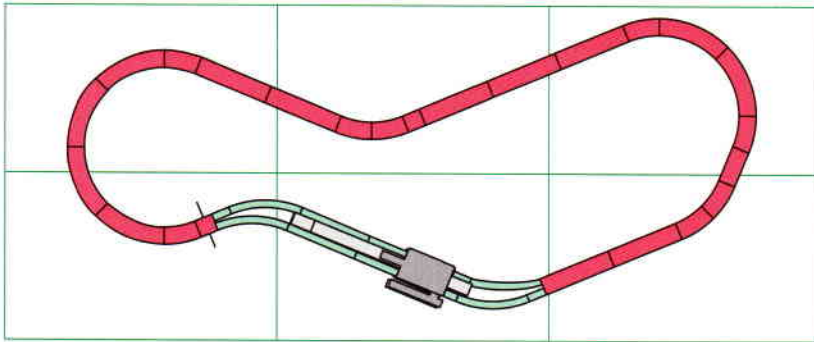
- Total US\$** .....\$582.00

- One-sided Flag Stop Platform**  
23-121  
(requires 2 units)
- Overhead Transit Station**  
23-122
- Overhead Transit Station Expansion Set**  
23-123

Layout Size: 2837mm x 1524mm (9' 4" x 5')

# M1 + V14

Integrate double and single track sets in your layout!



- M1**
- V14**
- Island Flag Stop Platform
- Overhead Transit Station

**M1** Basic Oval Track Set w/Kato Power Pack Set  
20-850-1.....\$100.00

+

**V14** Inside loop Double Track Set R315/282  
20-873-1..... TBA

+

Kato Power Pack (requires 2 units)  
22-014.....\$65.00

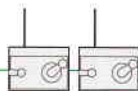
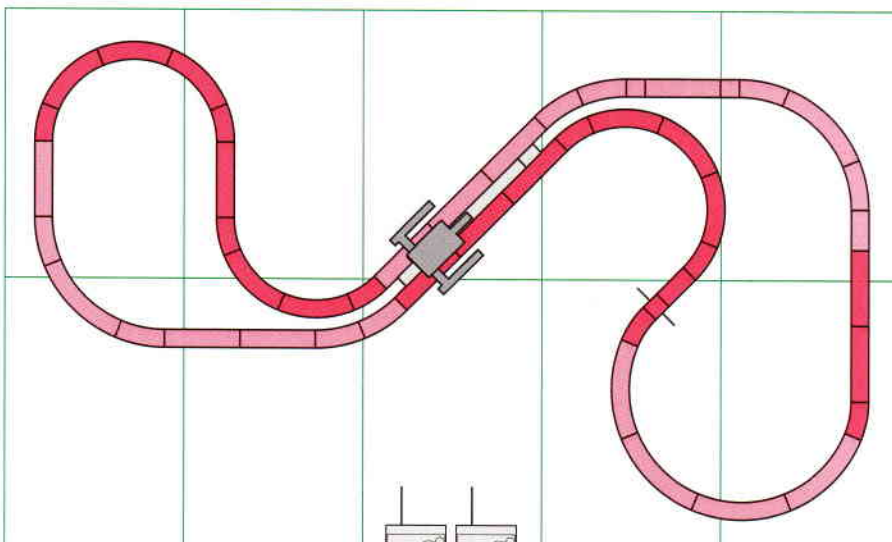
Island Flag Stop Platform  
23-120

Overhead Transit Station  
23-122

Layout Size: 2330mm × 983mm (7' 10/16" × 3' 4/16")

# V11 + V14

Create a winding two lane layout!



- V11**
- V14**
- Island Flag Stop Platform
- Overhead Transit Station
- Overhead Transit Station Expansion Set

**V11** Double Track Viaduct Set  
20-870-1.....\$98.00

+

**V14** Inside loop Double Track Set R315/282  
20-873-1..... TBA

+

Kato Power Pack (requires 2 units)  
22-014.....\$65.00  
x2.....\$130.00

Island Flag Stop Platform  
23-120

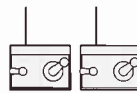
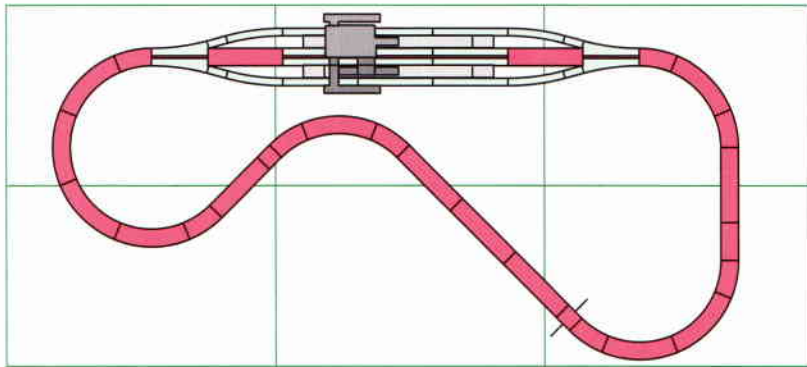
Overhead Transit Station  
23-122

Overhead Transit Station Expansion Set  
23-123

Layout Size: 2742mm × 1560mm (9' × 5' 2/16")

# V1 × 2 + V14

Add single track to create way stations for your trains!



**V1**     **V14**

- Island Flag Stop Platform
- Overhead Transit Station
- Overhead Transit Station Expansion Set

**V1** Mainline Passing Siding Set  
 20-860-1.....\$76.00  
 x2.....\$152.00



**V14** Inside loop Double Track Set R315/282  
 20-873-1..... TBA



Kato Power Pack (requires 2 units)  
 22-014.....\$65.00  
 x2.....\$130.00

Island Flag Stop Platform  
 23-120  
 (requires 2 units)

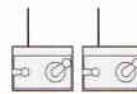
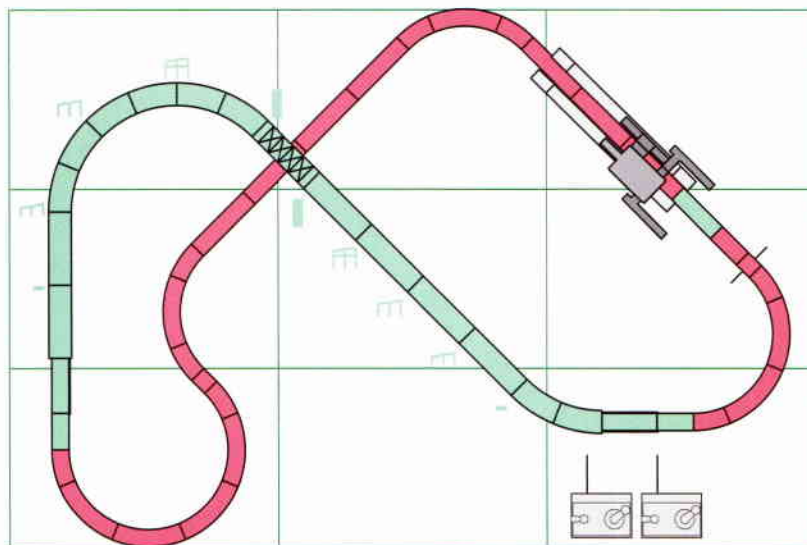
Overhead Transit Station  
 23-122

Overhead Transit Station Expansion Set  
 23-123

Layout Size: 2267mm × 1093mm (7' 7/16" × 3' 9/16")

# V12 + V14

Soar to new heights with an added viaduct and bridge!



**V12**     **V14**

- One-sided Flag Stop Platform
- Overhead Transit Station
- Overhead Transit Station Expansion Set

**V12** Double Track Viaduct Set  
 20-871-1.....\$189.00



**V14** Inside loop Double Track Set R315/282  
 20-873-1..... TBA



Kato Power Pack (requires 2 units)  
 22-014.....\$65.00  
 x2.....\$130.00

One-sided Flag Stop Platform  
 23-121  
 (requires 2 units)

Overhead Transit Station  
 23-122

Overhead Transit Station Expansion Set  
 23-123

Layout Size: 2512mm × 1819mm (8' 4/16" × 6')

## Troubleshooting

Is the cable from the power supply properly plugged in?

Insert power supply prongs into wall outlet, and insert cord plug into socket on back of power pack.

Is the pilot lamp on the power pack controller lit?

An unlit lamp on power pack may indicate a short circuit. Set direction control to ÖBRAKEÓ position. Turn throttle to minimum position. Press reset button on back of power pack controller.

Is the cable from the feeder track properly plugged in?

Insert small gray plug into underside of feeder track. Insert large white plug into back side of power pack.

Are the track sections securely connected to each other?

Please check to make sure that all of the track connections are secure.

Is the surface of the track clean?

Before and after running your trains, remove any dirt or debris from the upper part of the rail using a cloth or toothbrush with a plastic-safe track cleaner.

Are the wheels of the locomotive clean?

Before and after running your trains, please gently remove dirt from the wheels of the locomotive using a cloth or toothbrush with a plastic-safe track cleaner.

Do not switch the direction of Train movement while a train is in motion, It may cause damage to the locomotive.

Do not run your trains at high speeds for extended periods of time, as it may cause damage to your locomotive.

Please do not scrub or clean your track with water. This may cause corrosion in electrical circuits.

Please use only cloth or brushes to clean your track or wheels. Use of sandpaper can cause irreparable damage.

In the event that your problems persist even after the above inspection and examination steps, please return it to the retailer where you purchased it for repair.

# Description of letters and numbers

## ■ Description of letters and numbers

① The first letter indicates the type of Unitrack.  
WS means double straight track.

② Numbers indicate length and/or radius of Unitrack.

③ The last letter indicates direction and characteristic of Unitrack.

# S62F

### Example

"S62F means 62mm Straight with Feeder track"

### ① letters

S	Straight track	WX	Double crossover turnout
R	Radius track	X	Crossing
EP	Electric turnout	W	Double track

### ② numbers

S, WX + numbers = length
R + numbers = radius and degree
EP + numbers = radius and degree
X + numbers = degree of separation

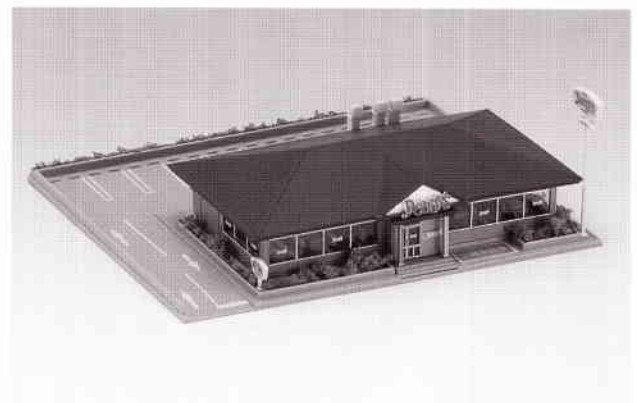
### ③ letter(s)

B	Bumper	L	Turnout or Crossover Left	T	Truss bridge
C	Road crossing	R	Turnout or Crossover Right	PC	Concrete tie
F	Feeder track	AL	Approach track Left	S	Concrete slab
V	Elevated track	AR	Approach track Right		

## More Structures



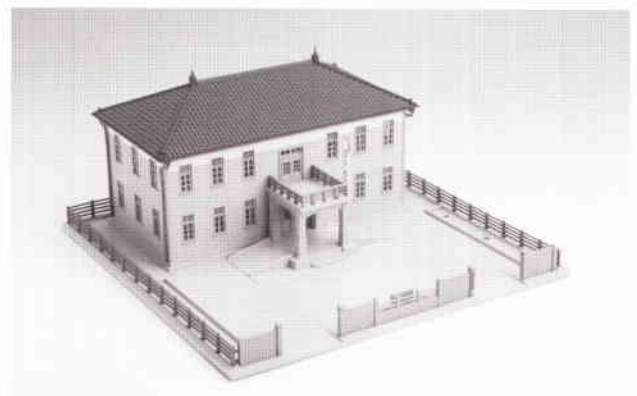
23-406 Mama's Restaurant



23-407 Denny's® Classic Diner



23-458 Local Bank Building



23-459 City Hall

You can find more information on Kato Products and Additional Track Plans : [www.katousa.com](http://www.katousa.com)



Kato Web Site  
<http://www.katousa.com>

\* Recommended 8 years and older.  
\* Maximum DC12V  
\* Prices subject to change.



**KATO U.S.A., INC.**  
100 Remington Road Schaumburg, IL 60173 U.S.A.