



MAINE THREE RAILERS

LIONEL FASTRACK

Design & Application

ROUNDHOUSE QUESTION

DECEMBER 2020

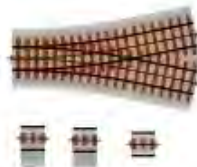
Why Do Lionel FaTrack Sets Have So Many Pieces? & Why Should You Care?



LHO31
(6-81252)



LHO72
(6-81953)



O72 Wye
(6-81954)



22 1/2 Degree Crossover
(6-12050)

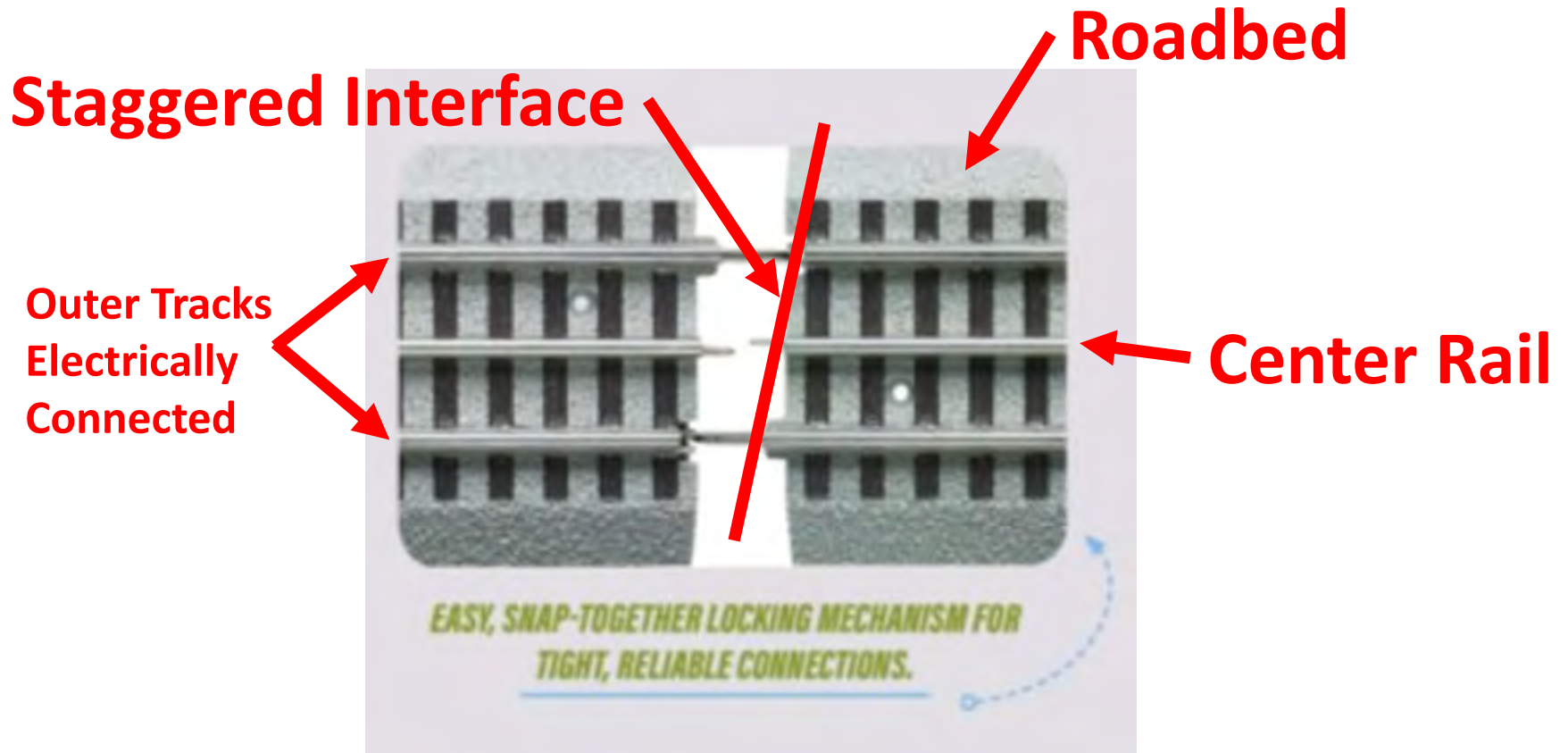
Lionel FasTrack Track

Why Should You Care?

- Lionel FasTrack very popular
- Components readily available
- Sturdy and reliable design
- Multiple size components easily adapt to diverse layout designs
- Easily assembled
- **Track stocked on M3R Club trailer**
- **Track used for M3R mobile layouts**

FasTrack Track Basics

Track Features



FasTrack Track Basics

Straight Track:

FASTRACK O-GAUGE



FasTrack 1 3/8" Straight with Roadbed

- Includes electrically isolated center rail option for power blocks

612073 \$4.59



FasTrack 1 3/8" Straight without Roadbed

- Includes electrically isolated center rail option for power blocks
- Roadbed sides removed for easy installation with FasTrack switches

612074 \$4.59



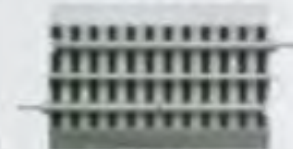
FasTrack 1 3/4" Straight

612026 \$4.59



FasTrack 4 1/2" Straight

612025 \$4.59



FasTrack 5" Straight

612024 \$4.59



FasTrack 5" Straight O Gauge Transition Track

- Connects with O and O27 tubular track

612040 \$9.99



FasTrack 10" Straight

612014 \$5.49

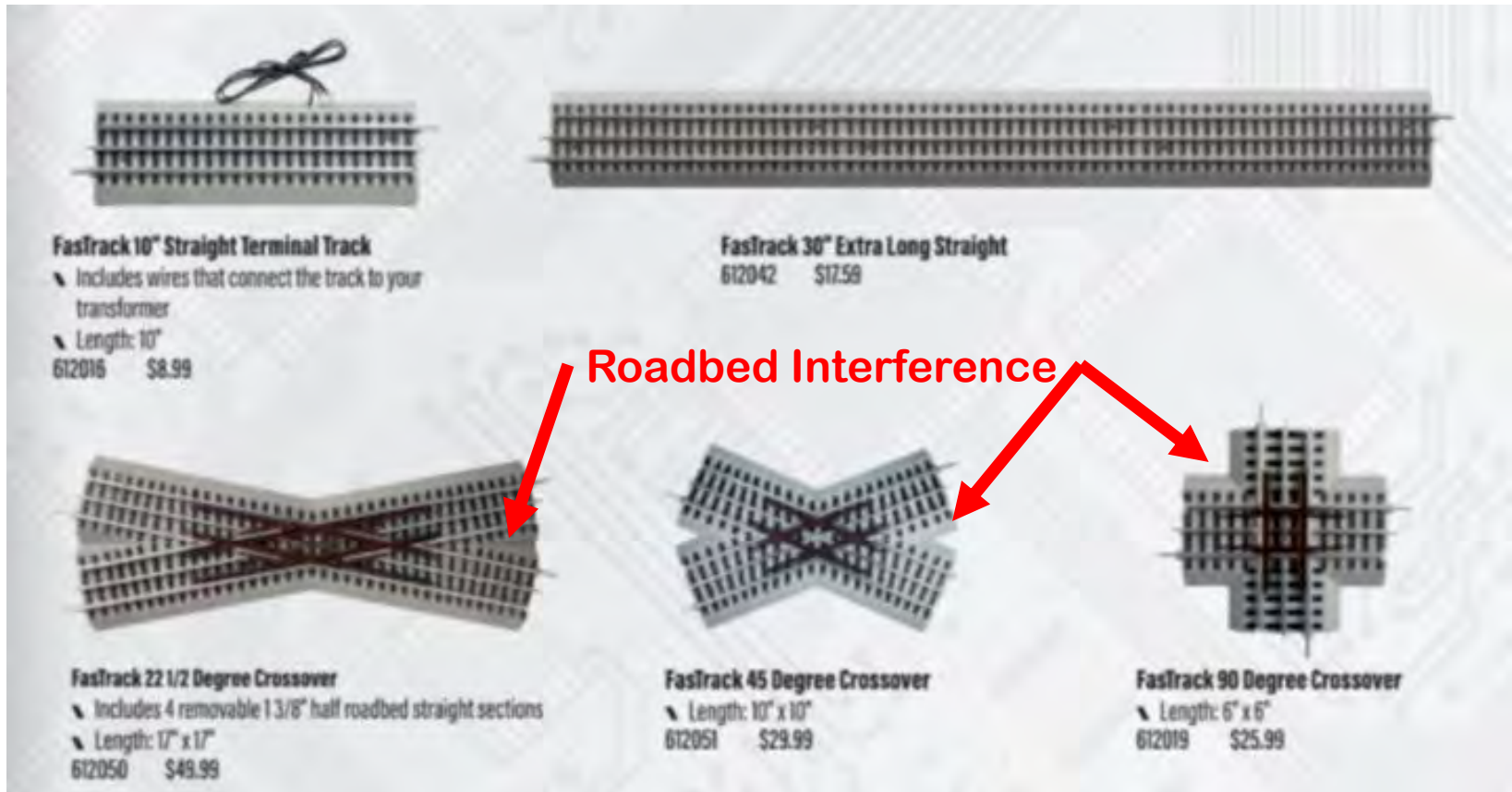


FasTrack 10" Straight 4-Pack

612032 \$21.99

FasTrack Track Basics

Straight Track (Cont.)



The image displays five different types of FasTrack components. At the top left is a 10-inch straight terminal track with a bundle of connecting wires. To its right is a 30-inch extra long straight track. Below these are three crossover pieces: a 22 1/2 degree crossover, a 45 degree crossover, and a 90 degree crossover. Red arrows point from the text 'Roadbed Interference' to the central crossing points of the three crossover pieces.

FasTrack 10" Straight Terminal Track
Includes wires that connect the track to your transformer
Length: 10"
612016 \$8.99

FasTrack 30" Extra Long Straight
612042 \$17.58

FasTrack 22 1/2 Degree Crossover
Includes 4 removable 1 3/8" half roadbed straight sections
Length: 17" x 17"
612050 \$49.99

FasTrack 45 Degree Crossover
Length: 10" x 10"
612051 \$29.99

FasTrack 90 Degree Crossover
Length: 6" x 6"
612019 \$25.99

Roadbed Interference

FasTrack Track Basics

Straight Track – S1 3/8” w/Half Roadbed



FasTrack Switch Straight /Aux T1 / W/Roadbed

Not Available for Purchase as Component or Repair Part

FasTrack Track Basics

Straight Track Combinations

LENGTH	1 ³ / ₈	1 ³ / ₄	4 ¹ / ₂	5	10	PIECES
1 ³ / ₈	1					1
1 ³ / ₄		1				1
2 ³ / ₄	2					2
3 ¹ / ₈	1	1				2
3 ¹ / ₂		2				2
4 ¹ / ₈	3					3
4 ¹ / ₂			1			1
4 ⁷ / ₈	1	2				3
5				1		1
5 ¹ / ₄		3				3
5 ¹ / ₂	4					4
5 ⁷ / ₈	1		1			2
6 ¹ / ₄		1	1			2
6 ³ / ₈	1			1		2
6 ⁵ / ₈	1	3				4
6 ³ / ₄		1		1		2
6 ⁷ / ₈	5					5
7		4				4
7 ¹ / ₄	2		1			3
7 ⁵ / ₈	1	1	1			3
7 ³ / ₄	2			1		3

LENGTH	1 ³ / ₈	1 ³ / ₄	4 ¹ / ₂	5	10	PIECES
8		2	1			3
8 ¹ / ₈	1	1		1		3
8 ¹ / ₄	6					6
8 ³ / ₈	1	4				5
8 ¹ / ₂		2		1		3
8 ⁵ / ₈	3		1			4
8 ³ / ₄		5				5
9			2			2
9 ¹ / ₈	3			1		4
9 ³ / ₈	1	2	1			4
9 ¹ / ₂			1	1		2
9 ⁵ / ₈	7					7
9 ³ / ₄		3	1			4
9 ⁷ / ₈	1	2		1		4
10					1	1

FasTrack Track Basics

Curved Track



FasTrack® 031 Curve
✎ 8 Pieces per circle
✎ 45-Degree section
637103 \$5.49



FasTrack® 031 Quarter Curve
✎ 32 pieces per circle
✎ 11 1/4-Degree section
681662 \$4.59



FasTrack® 031 Curve 4-Pack
681862 \$21.99



FasTrack® 036 Curve
✎ 8 Pieces per circle
✎ 45-Degree section
612015 \$5.49



FasTrack® 036 Half Curve
✎ 16 pieces per circle
✎ 22 1/2-Degree section
612022 \$4.99



FasTrack® 036 Quarter Curve
✎ 32 pieces per circle
✎ 11 1/4-Degree section
612023 \$4.59



FasTrack® 048 Curve
✎ 12 pieces per circle
✎ 30-Degree section
612043 \$5.99



FasTrack® 048 Half Curve
✎ 24 pieces per circle
✎ 15-Degree section
616834 \$6.49



FasTrack® 048 Quarter Curve
✎ 48 pieces per circle
✎ 7 1/2-Degree section
616835 \$4.99



FasTrack® 060 Curve
✎ 16 pieces per circle
✎ 22 1/2-Degree section
612056 \$7.49



FasTrack® 072 Curve
✎ 16 pieces per circle
✎ 22 1/2-Degree section
612041 \$7.49



FasTrack® 072 Half Curve
✎ 32 pieces per circle
✎ 11 1/4-Degree section
612055 \$6.99



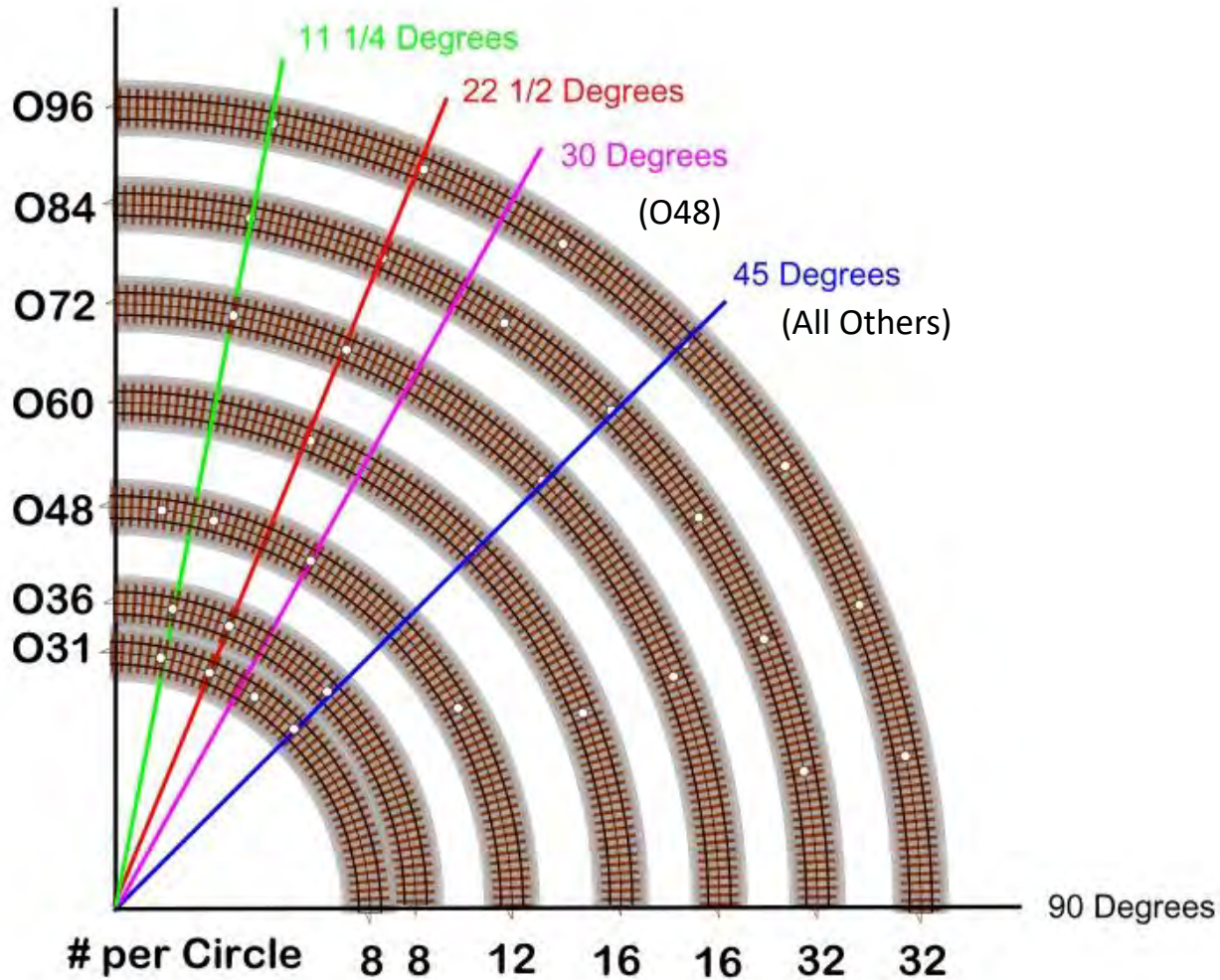
FasTrack® 084 Curve
✎ 32 pieces per circle
✎ 11 1/4-Degree section
612061 \$7.49



FasTrack® 096 Curve
✎ 32 pieces per circle
✎ 11 1/4-Degree section
681250 \$7.49

FasTrack Track Basics

Curved Track



FasTrack Turnouts

Two Operating Modes:

- Manual
- Remote/Command

Two Design Categories:

- Equivalent Curve Replacements
- Non-Equivalent Curve Replacements

FasTrack Turnouts

Equivalent Curve Replacements

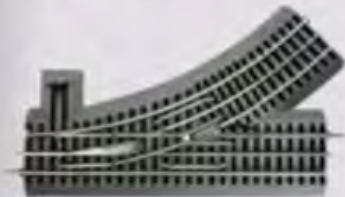
FasTrack 031 Manual Switch Left Hand

- 33 3/4-Degree turnout
- Includes 1/4 curve to complete 0-31 45-Degree curve
- Length: 10" straight **Actual 11 3/8"**

6-81252 \$49.99

FasTrack 031 Manual Switch Right Hand (Not Shown)

6-81251 \$49.99



FasTrack 031 Remote/Command Switch LH

- 33 3/4-Degree turnout
- Includes 1/4 curve to complete 0-31 45-Degree curve
- Length: 10" straight **Actual 11 3/8"**

6-81254 \$109.99

FasTrack 031 Remote/Command Switch RH (Not Shown)

6-81253 \$109.99



FASTRACK 0-GAUGE SWITCHES

FasTrack 036 Manual Switch Left Hand

- 33 3/4-Degree turnout
- Includes one 036 1/4 curve to complete a 45-Degree curve
- Length: 10" straight

6-12017 \$49.99

FasTrack 036 Manual Switch Right Hand (Not Shown)

6-12018 \$49.99



FasTrack 036 Remote/Command Switch LH

- 33 3/4-Degree turnout
- Includes one 036 1/4 curve to complete a 45-Degree curve
- Length: 10" straight

6-81947 \$109.99

FasTrack 036 Remote/Command Switch RH (Not Shown)

6-81946 \$109.99



FasTrack 048 Remote/Command Switch LH

- 30-Degree turnout
- Length: 15" straight

6-81949 \$119.99

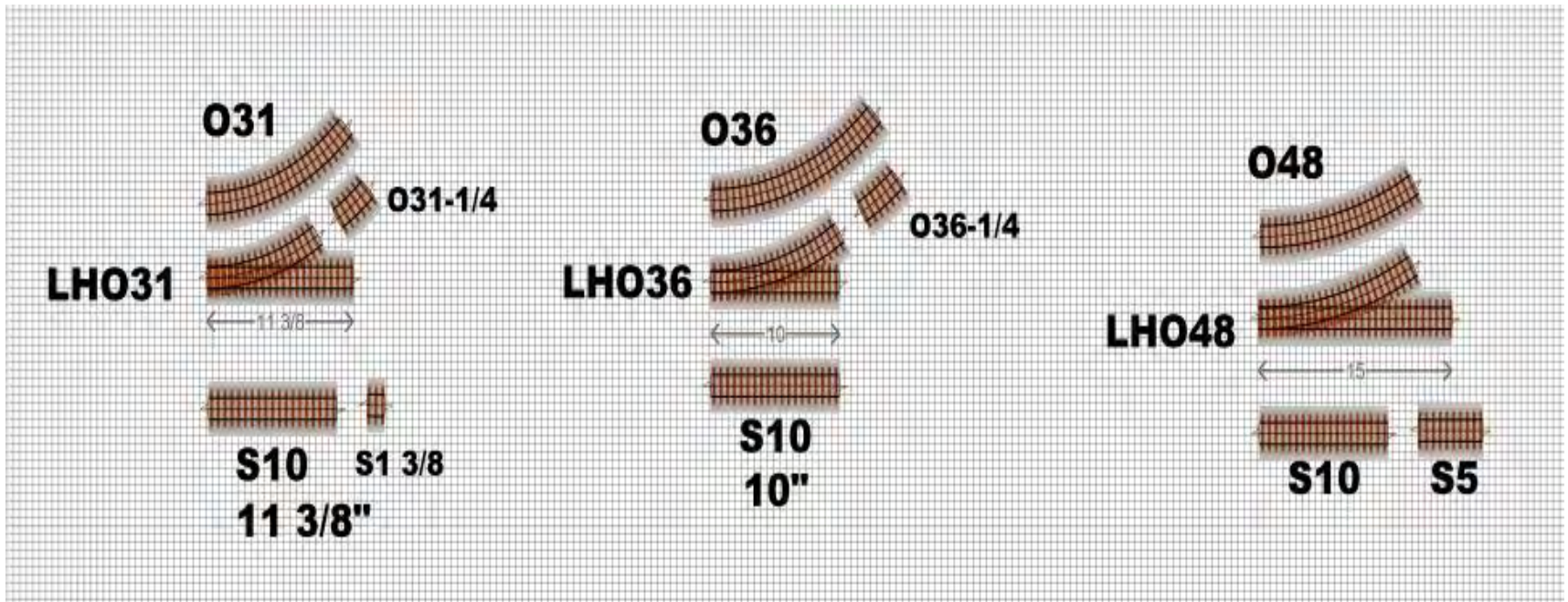
FasTrack 048 Remote/Command Switch RH (Not Shown)

6-81948 \$119.99



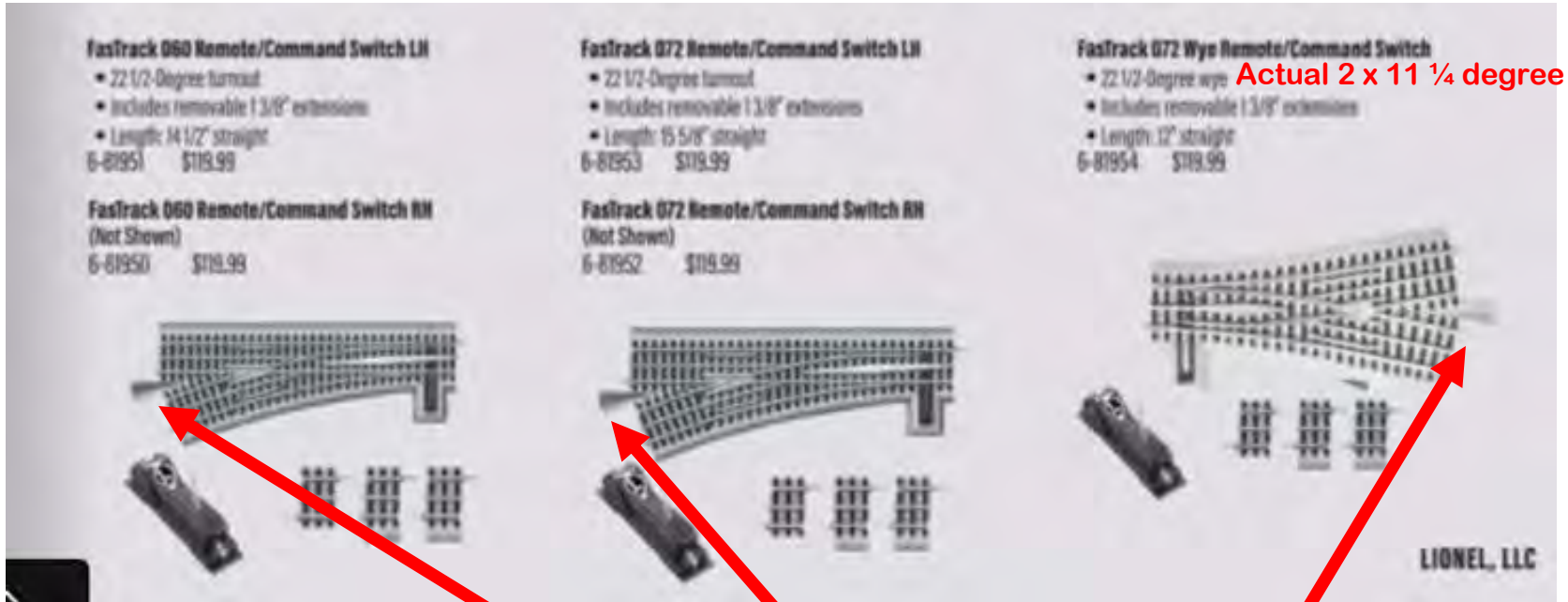
FasTrack Turnouts

Equivalent Curve Replacements Design

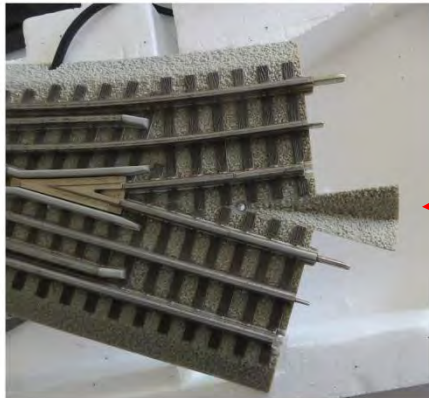


FasTrack Turnouts

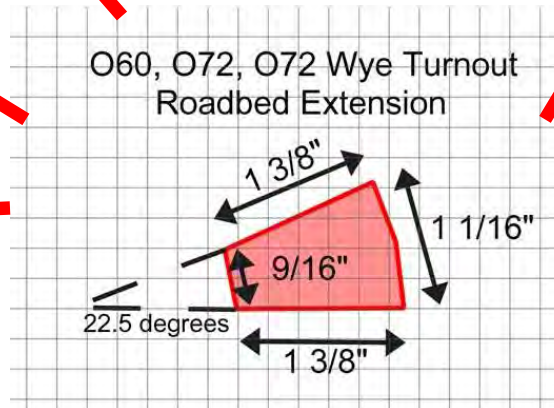
Non-Equivalent Curve Replacements



O60 Turnout Roadbed Extension



O60, O72, O72 Wye Turnout Roadbed Extension

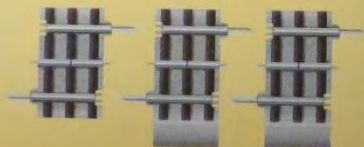
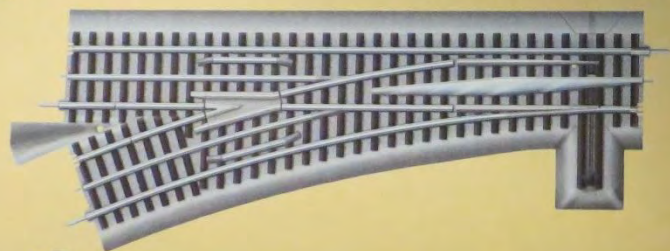


71-2057-200



FaSTrack[®]

6-12057 O60 LEFT-HAND REMOTE SWITCH



FEATURES:

- 14-1/2" Straight, 22-1/2-Degree turnout with operating lighted signal lantern
- Includes three extension sections that allow you to join the switch with the 45 Degree Crossover, the O72 Wye Switch, and other switches
- Includes six numbered inserts that allow you to identify the switch you want to control

MADE IN CHINA

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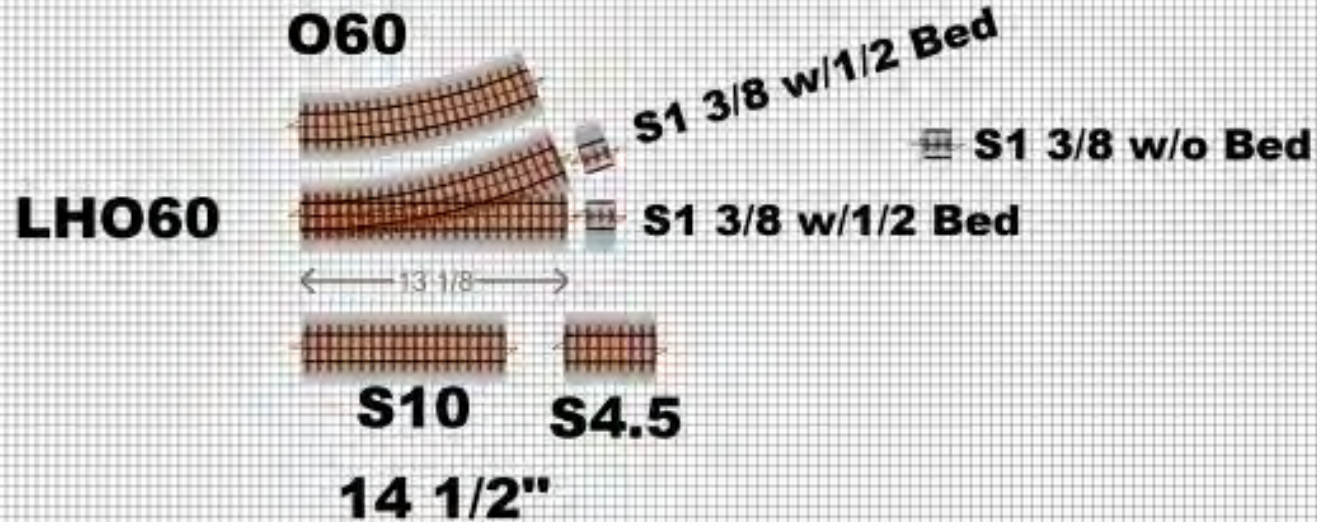
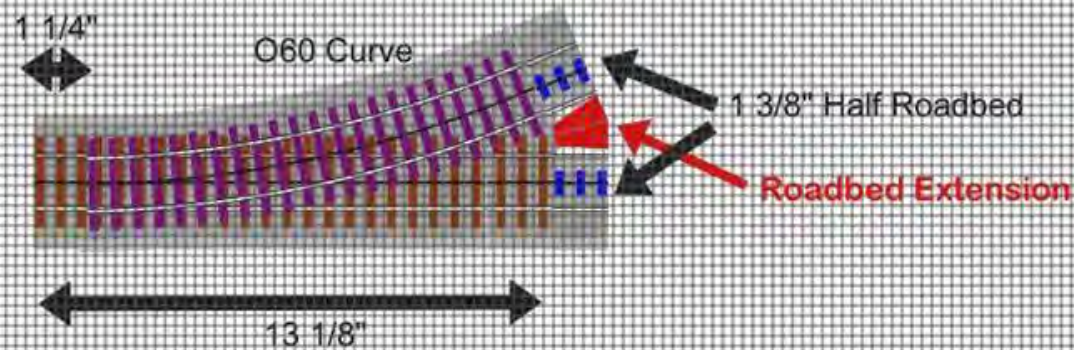
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FasTrack Turnouts

Non-Equivalent Curve Replacements Design

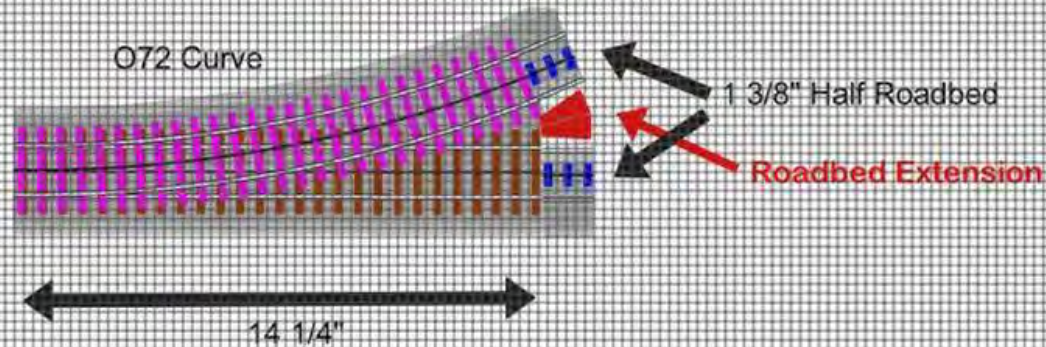
O60 Turnout (6-12057)



FasTrack Turnouts

Non-Equivalent Curve Replacements Design

O72 Turnout (6-12048)



71-2047-200



FaSTrack[®]

6-12047 O72 WYE REMOTE SWITCH



FEATURES:

- Two 22-1/2-Degree turnouts with operating lighted signal lantern
- Includes three extension sections that allow you to join the switch with the 45 Degree Crossover and other switches
- Can create a reversing loop at the end of your mainline
- Includes six numbered inserts that allow you to identify the switch you want to control

MADE IN CHINA



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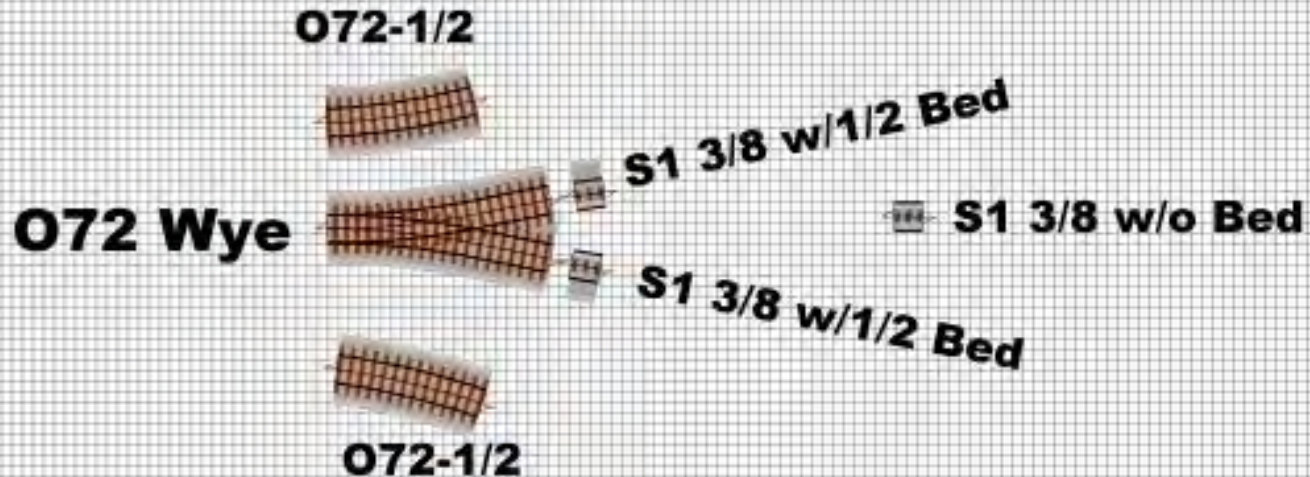
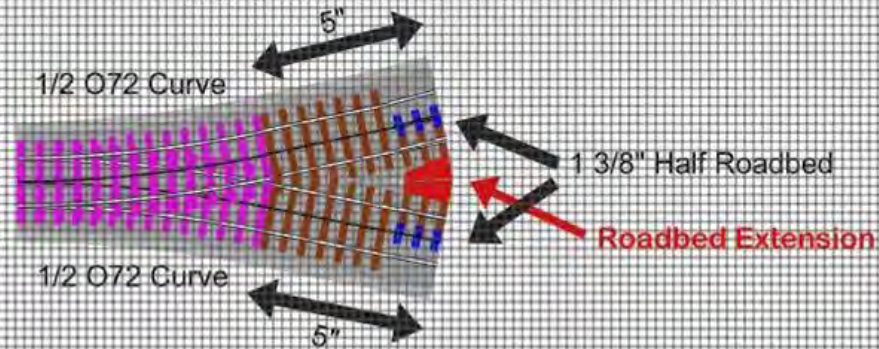
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FasTrack Turnouts

- Non-Equivalent Curve Replacements Design

O72 Wye Turnout (6-12047)



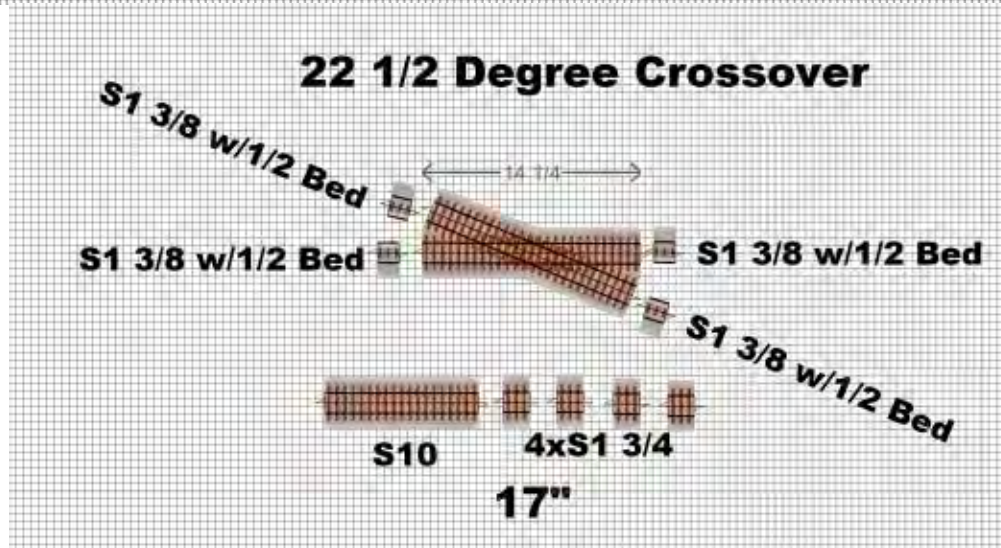
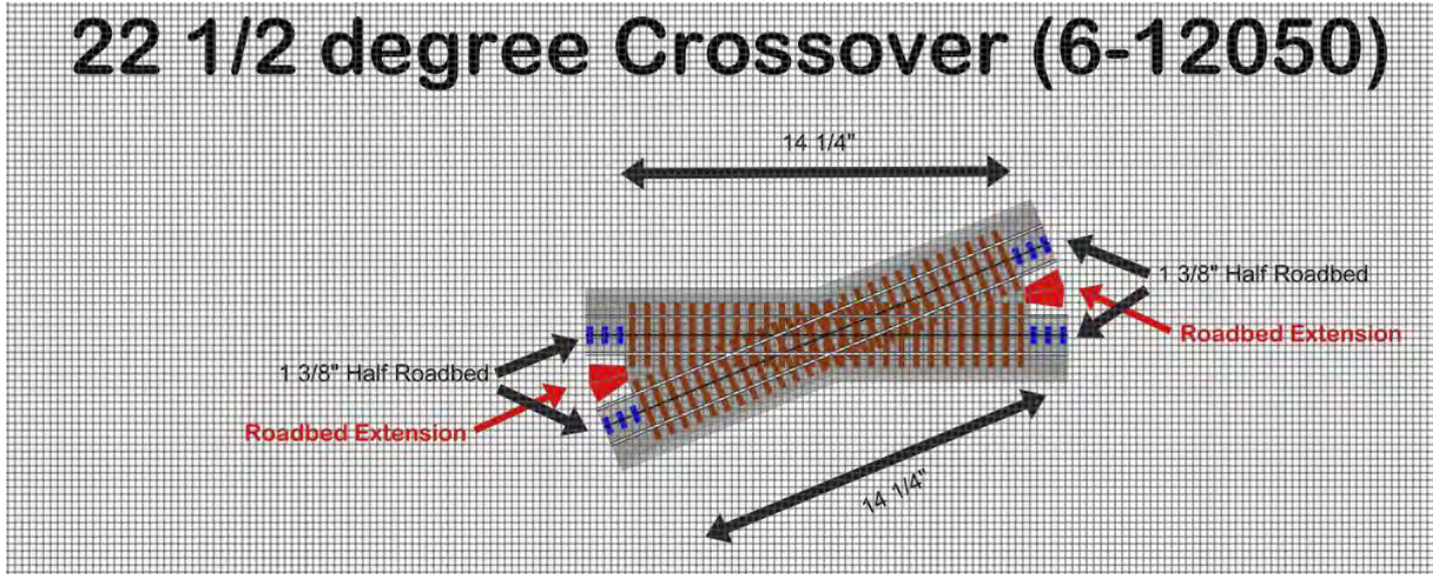
FasTrack Turnouts

Lionel FasTrack Turnout Summary

Item	Description	Dimension	Actual	Box	Lionel 2020 Catalog	Extent of Condition	Comment
6-81252	O31 Turnout	Length	11 11/32"	11 3/8"	10"	6-81251, 6-81254, 6-81253	Lionel Catalog: Correct Catalog Length from 10" to 11 3/8"
		Arc	33 3/4° & 11 1/4°	45°	33 3/4° & 11 1/4°		
		Middle Rail Cord	9"	NA	NA		
		Parts	1x6-81662	1x6-81662	1x6-81662		
6-12045	O36 Turnout	Length	10"	10"	10"	6-12017, 6-12018, 6-12046, 6-16824, 6-16825, 6-81946, 6-81947	
		Arc	33 3/4° & 11 1/4°	33 3/4° & 11 1/4°	33 3/4° & 11 1/4°		
		Middle Rail Cord	10 9/16"	NA	NA		
		Parts	1x6-12023	1x6-12023	1x6-12023		
6-12065	O48 Turnout	Length	14 31/32"	15"	15"	6-12066, 6-16830, 6-16831, 6-81948 6-81949	
		Arc	30°	30°	30°		
		Middle Rail Cord	12 13/32"	NA	NA		
		Parts	None	None	None		
6-12057	O60 Turnout	Length	13 1/8" & 1 3/8" Ext.	14 1/2"	14 1/2"	6-12058, 6-81950, 6-81951, 6-16828, 6-16829	Lionel Box: Joins with 22 1/2° Crossover not 45° Crossover Lionel: 22 1/2° turn starts 1 1/8" from entry and ends at Junction with 1 3/8" Half Roadbed Track extension.
		Arc	22 1/2° w/o Ext.	22 1/2°	22 1/2°		
		Middle Rail Cord	12 7/8" w/o ext 14 3/16" w/ext	NA	NA		
		Parts	1x6-12074 & 2x610-2047-350	1x6-12074 & 2x610-2047-350	1x6-12074 & 2x610-2047-350		
6-12048	O72 Turnout	Length	14 5/16" w/o ext. 15 21/32" w/ ext.	15 5/8"	15 5/8"	6-12049, 6-16826, 6-16827, 6-81952, 6-81953	Lionel Box: Joins with 22 1/2° Crossover not 45° Crossover Lionel: Completes 22 1/2° turn w/o 1 3/8" half roadbed extension.
		Arc	22 1/2° w/o 1 3/8" Ext.	22 1/2°	22 1/2°		
		Middle Rail Cord	14 1/32" w/o ext. 15 11/32" w/ ext.	NA	NA		
		Parts	1x6-12074 & 2x610-2047-350	1x6-12074 & 2x610-2047-350	1x6-12074 & 2x610-2047-350		
6-12047	Wye Turnout (O72)	Length	10 7/16" w/o ext 12 3/32" w/ 1 3/8" Ext.	NA	12"	6-16832, 6-81954	Lionel Box: Joins with 22 1/2° Crossover not 45° Crossover Lionel: - Each leg with 1 3/8" half roadbed connected is equivalent to a 11 1/4" half O72 Curve joined with a 5" Straight section. - Turnout provides 2 x 11 1/4" turns not 2 x 22 1/2" turns.
		Arc	2 x 11 1/4° w/o ext.	2x 22 1/2°	22 1/2°		
		Middle Rail Cord	10 9/16" w/o ext. 11 15/16" w/ ext.	NA	NA		
		Parts	1x6-12074 & 2x610-2047-350	1x6-12074 & 2x610-2047-350	1x6-12074 & 2x610-2047-350		

FasTrack Crossovers

22 1/2 Degree Crossover Design



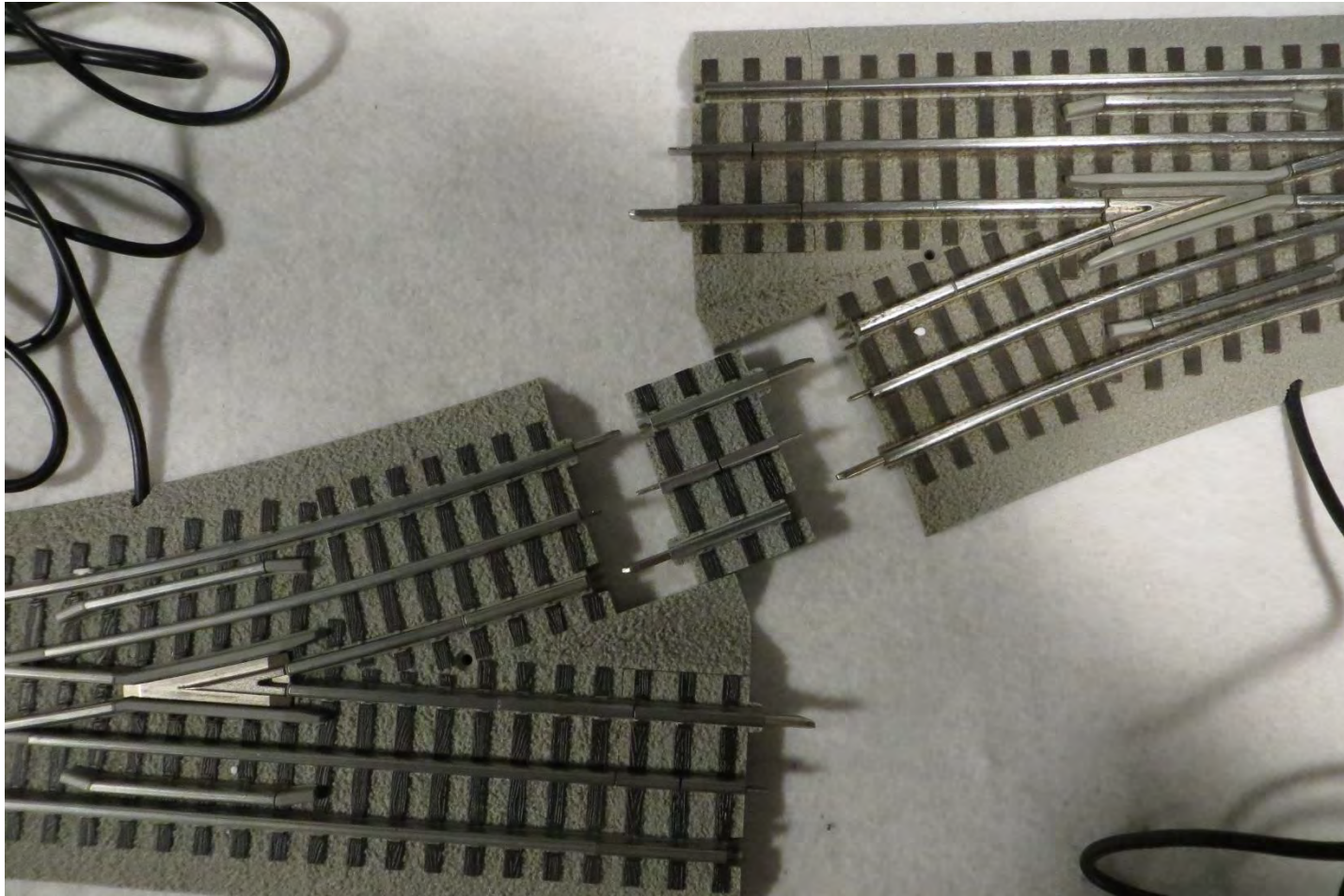
FasTrack Crossovers

Lionel FasTrack Crossover Summary

Item	Description	Dimension	Actual	Box	Lionel 2020 Catalog	Extent of Condition	Comment
6-12050	22 1/2° Crossover	Length	2 x 17"	2 x 17"	2 x 17" w/ ext.	None	
		Angle	22 1/2°	22 1/2°	22 1/2°		
		Parts	4x610-2047-350	4x610-2047-350	4x610-2047-350		
6-12050	45° Crossover	Length	2 x 10"	2 x 10"	2 x 10"	None	
		Angle	45°	45°	45°		
		Parts	NA	NA	NA		
6-12019	90° Crossover	Length	2 x 6"	2 x 6"	2 x 6"	None	
		Angle	90°	90°	90°		
		Parts	NA	NA	NA		

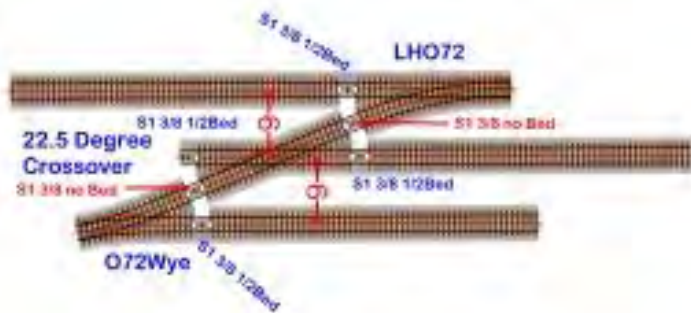
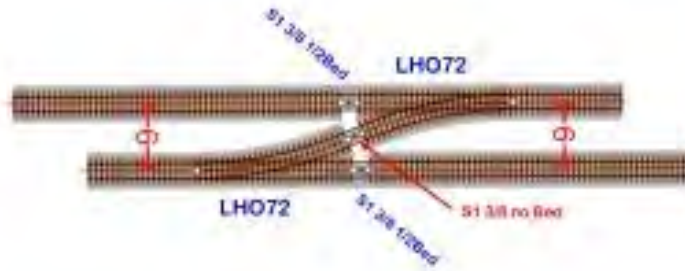
FasTrack Applications

1 3/8" No Roadbed Track Extension Application



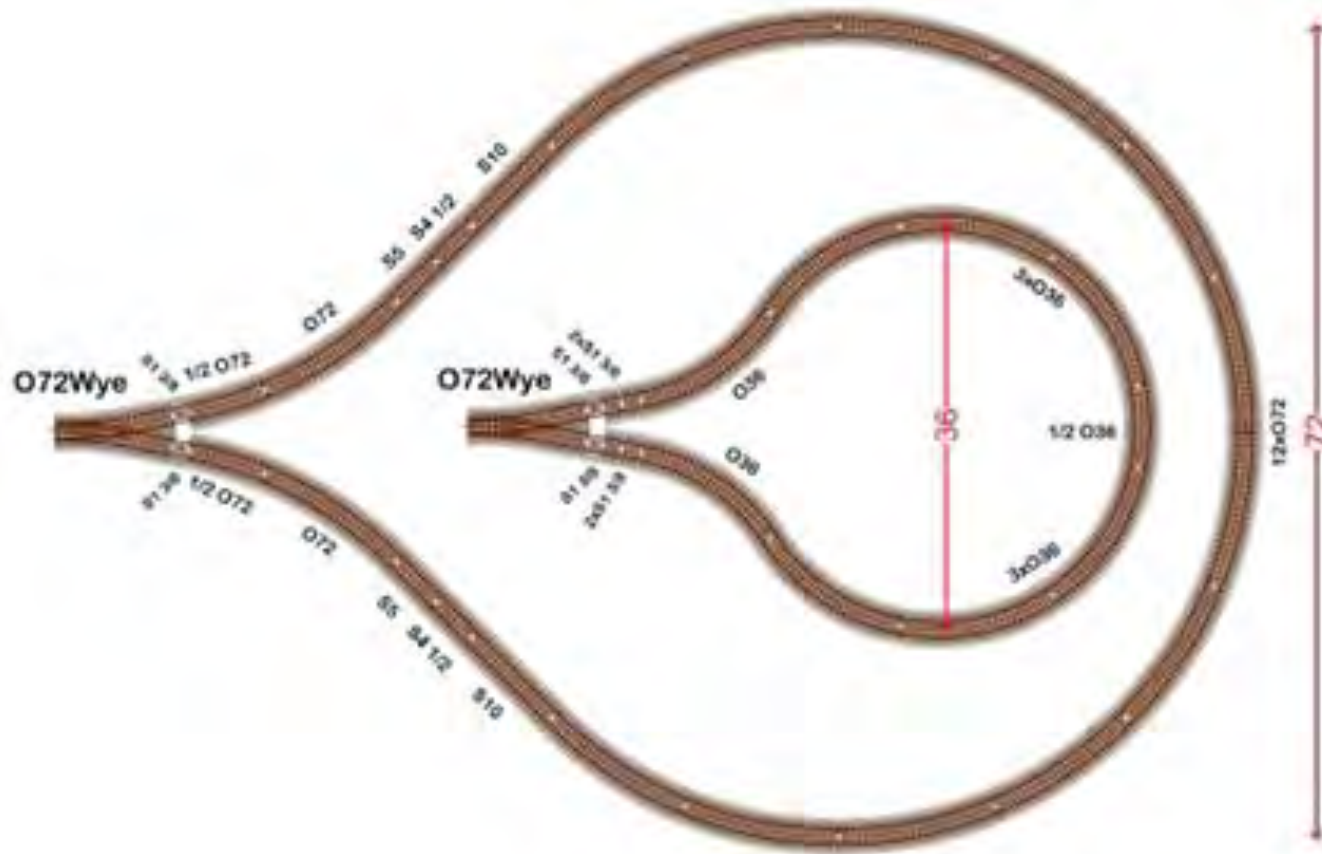
FasTrack Applications

072, 072 Wye, & Crossover Sample Applications



FasTrack Applications

O72 Wye Sample Application



Lionel FasTrack Track Take-Aways

- **O31, O36, & O48 turnouts more easily inserted into existing layouts (both straight or curved legs)**
- **Avoid using O60 turnouts**
- **Avoid mixing O48 curves and turnouts with other curves, turnouts, or crossovers**
- **O60, O72, & O72 Wye turnouts must use provided half roadbed or no roadbed track extensions**
- **22.5 degree crossovers must use provided half roadbed or no roadbed track extensions**
- **Keep turnout and crossover track set components together and when buying them used, assure all track pieces are provided**

Lionel FasTrack Track Take-Aways (Cont)

- **Don't believe everything printed on the box or catalog description (trust but verify)**
- **Track layout software may not be fully accurate (trust but verify)**

Lionel FasTrack Track

Questions?