

InvisaTrax® Road & Rail Track Inspection Vehicle - Motor Only/Decoder Components List

Component Name	Qty	Amazon Affiliate Link	Supported Material
Chassis 3D Printed Components			
Chassis	1		PLA/ABS/PETG/Resin
Chassis Front End	1		PLA/ABS/PETG/Resin
Front Bumper	1		PLA/ABS/PETG/Resin
Rear Bumper	1		PLA/ABS/PETG/Resin
Battery Wing	1		PLA/ABS/PETG/Resin
Electronics Wing	1		PLA/ABS/PETG/Resin
Front Magnet Mount	0		PLA/ABS/PETG/Resin
Rear Magnet Mount	0		PLA/ABS/PETG/Resin
Body 3D Printed Components			
Bed 4-Color	1		PLA/ABS/PETG/Resin (1)
Cab 3-Color	1		PLA/ABS/PETG/Resin (1)
Cab Roof 2-color	1		PLA/ABS/PETG/Resin (1)
Cab Roof Key	1		PLA/ABS/PETG/Resin
Front Grill 3-Color	1		PLA/ABS/PETG/Resin (1)
Cab Interior	1		PLA/ABS/PETG/Resin
Driver	1		Resin
Left Mirror	1		Resin
Right Mirror	1		Resin
Rail Wheels 3D Printed Components			
Rail Wheel Mount	2		PLA/ABS/PETG/Resin
Rail Wheels	4		PLA/ABS/PETG/Resin
Tires & Rims 3D Printed Components			
Front Rim	3		PLA/ABS/PETG/Resin
Front Tire	3		PLA/ABS/PETG/Resin
Rear Rim	2		PLA/ABS/PETG/Resin
Rear Tire	2		Resin - Rubber
Note:			
(1) Resin printed items are single color only.			
(2) For best quality FDM prints, use 0.2mm nozzle.			

Component Name	Qty	Amazon Affiliate Link	Supported Material
Electronics & Hardware Components			
Clear PVC Plastic Windows	1		
N20 Geared Motor 3v 15 RPM Dual Shaft	1	https://amzn.to/3EbDRLV	
RC Remote Motor Drive Controller	0	https://amzn.to/3HyLGxj	
Lithium Ion Battery 3.7V	0	https://amzn.to/46UAzJs	
3mm Micro Slide Switch SPDT	0	https://amzn.to/4bhOHwd	
1.25-JST 2-Pin Connector Pairs	0	https://amzn.to/40u2X0a	
Wire 28 AWG Twisted Kynar 2 pin	0		
M1 x 3mm Machine Screws	18	https://amzn.to/3Jdd2tp	
Metal Dowel 1.5mm x 18mm	2	https://amzn.to/4hTLzcs	
Metal Dowel 1.5mm x 25mm	2	https://amzn.to/4ifBI0j	
Metal Dowel 1.5mm x 25mm	1	https://amzn.to/436cv4k	
Magnet 10x5x2mm N52	0		
Magnet 2 x 0.5mm Disc	12		
Tools & Miscellaneous Items Not Included			
3.7V Lithium Ion Battery Charger	N/A	https://amzn.to/4htZGF0	
Soldering Iron & Solder			
PH0 Philips Head Screw Driver			
Needle Nose Pliers (small tip)			
Wire Cutters/Strippers			
0.9mm Drill Bit (optional)			
1.1mm Drill Bit (optional)			
Superglue			