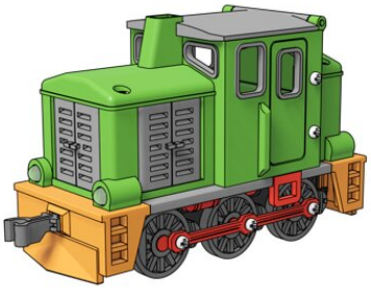
Shunting locomotive



Non-Printed Parts List

No.	Part name	Quantity	Color (suggested)	Notes
1.	M2.2x6.5 screw (DIN 7981)	27	N/A	
2.	M2.2x6.5 screw (DIN 7981)	6	N/A	Variant part (with coupling rod)
3.	1.75 mm filament piece	2	green	Cut to length during assembly
4.	1.75 mm filament piece	8	gray	Cut to length during assembly
5.	5 mm white LED	4	white	Variant part (white LEDs as lamps) Use for better look

3D Printed Parts List

No.	Part name	Quantity	Color (suggested)	Notes
1.	TLF01-frame.stl filament: ~9 g/part	1	black	
2.	TLL01-floor.stl filament: ~7 g/part	1	gray	
3.	TLT01-footstep.stl filament: ~0.3 g/part	1	red	
4.	TLH01-headstock.stl filament: ~6 g/part	2	orange	
5.	TLC01-cab.stl filament: ~11 g/part	1	green	
6.	TLC01C-cockpit.stl filament: ~2 g/part	1	gray	
7.	TLC01CI-instruments.stl filament: ~0.9 g/part	1	black	
8.	TLB01L-brake-lever.stl filament: ~0.3 g/part	1	red	
9.	TLD01-cab-door.stl filament: ~0.7 g/part	1	green	
10.	TLD01H-cab-door-hinge.stl filament: ~0.4 g/part	1	green	
11.	TLM01-engine-comp.stl filament: ~9 g/part	1	green	

No.	Part name	Quantity	Color (suggested)	Notes
12.	TLM01R-engine-comp-roof.stl filament: ~11 g/part	1	green	
13.	TAY01-lamp.stl filament: ~0.2 g/part	4	transparent	Variant part (3D printed lamps)
14.	TLM01DL-comp-door-L.stl filament: ~1 g/part	4	gray	
15.	TLM01DR-comp-door-R.stl filament: ~1 g/part	4	gray	
16.	TLM01I-diesel-engine.stl filament: ~10 g/part	1	black	
17.	TLM01B-battery-comp.stl filament: ~6 g/part	1	green	
18.	TLM01BR-battery-comp-roof.stl filament: ~4 g/part	1	green	
19.	TLX01L-pressure-tank-L.stl filament: ~0.4 g/part	1	red	
20.	TLX01R-pressure-tank-R.stl filament: ~0.4 g/part	1	red	
21.	TLW01AS-axle-with-spline.stl filament: ~0.8 g/part	3	red	Variant part (with coupling rod)
22.	TLW01WP-wheel-spkd-pin.stl filament: ~2 g/part	6	gray	Variant part (with coupling rod)
23.	TLW01R-coupling-rod.stl filament: ~0.4 g/part	2	red	Variant part (with coupling rod)
24.	TLW01A-axle.stl filament: ~0.8 g/part	3	red	Variant part (without coupling rod)
25.	TLW01W-wheel-spkd.stl filament: ~2 g/part	6	gray	Variant part (without coupling rod)
26.	TAQ01-coupler-auto.stl filament: ~0.5 g/part	2	black	
27.	TAQ01C-coupler-cotter.stl filament: ~0.1 g/part	2	black	
28.	TLB01-brakes.stl filament: ~2 g/part	1	gray	
29.	TLF01B-frame-bottom.stl filament: ~3 g/part	1	black	
30.	TAG01-146xt089-r-window.stl filament: ~0.1 g/part	2	gray	
31.	TAG01-146x089t-r-window.stl filament: ~0.1 g/part	2	gray	
32.	TAG01-156x112-r-window.stl filament: ~0.1 g/part	3	gray	
33.	TAG01-146x096-r-window.stl filament: ~0.1 g/part	1	gray	
34.	TLG01A-window-set.stl filament: ~1 g/part	1	gray	Set: includes parts 30, 31, 32, 33 Complete window set
35.	TLC01R-cab-roof.stl filament: ~8 g/part	1	gray	

Note: Filament usage values are estimated for PLA and may vary depending on slicer settings.

File Count Summary

Model Variants

- white LEDs as lamps, without coupling rod
  50 parts to print; filament use: ~120 g
- white LEDs as lamps, with coupling rod
  52 parts to print; filament use: ~120 g
- 3D printed lamps, without coupling rod
  54 parts to print; filament use: ~120 g
- 3D printed lamps, with coupling rod
  56 parts to print; filament use: ~120 g

Note: Filament usage values are estimated for PLA and may vary depending on slicer settings.

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