

**Documentation Package
For
US Railway Leasing PS2-CD High-side Covered Hopper**



**Submitted as part of the NMRA AP
Car Certificate Requirements**

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USLX Covered Hopper Car

I am pleased to present my US Railway Leasing (USLX) PS2-CD High-side Covered Hopper car as a super detailed car and not for merit-based judging. This car began as a Life-Like Proto 2000 kit. The appendix to this tome lists all the 82 major parts that I assembled to create the car. The list excludes such rudimentary parts such as weights (2), couplers, coupler springs, coupler lids, coupler screws (8), trucks (2) and wheels (4). Where it was appropriate, I substituted phosphor bronze wire in place of the plastic kit part, including the main air line. See Figure 1. As noted in the appendix part listing there are several non-kit parts that I added to increase the reality and detail of this fine car.



Figure 1. Main air line made of phosphor bronze wire

The instructions that came with the kit noted "In order to achieve maximum prototype fidelity, our detail parts are quite small, with dimensions as small as 0.3 mm to reproduce important details....."

APPENDIX

Expanded Parts List for USLX PS2-CD High-Side covered Hopper

Part Name	Part Count	Comments
Brake Cylinder	1	
B-end Bolster	1	
Triple Valve	1	
Retainer Valve	1	
Brake Pipe	2	
Gusset Plates	4	
Sill Plates	4	
Shaker Brackets	6	
Body	1	
Brake Lever	1	
Brake Lever Regulator	1	
A-end Bolster	1	
Brake Line	1	Replaced with Phosphor Bronze Wire
Bolster base	2	
Hopper Outlets	3	
A and B-end Brake Lever	2	
Bell Crank	1	
Brake Wheel	1	
Brake Step	2	
B-end Cage	1	
A-end cage	1	
Right-side age	2	
Left-side cage	2	
Air Reservoir	1	
Brake Arm	1	
Tichy Eye Bolts	6	Added, non-kit part for main brake line
Cal-Scale Air Hose	2	Added, non-kit part
Gab irons	8	
COTS stencil	1	Added, non-kit part
hatch	1	
Roof	1	
Camps	5	
Latches	5	
Roof Walk	1	
Roof Grab Irons	2	
Roof Walk end Supports	2	
Coupler Release Lever	2	Added, non-kit part
Tichy Eye Bolts	2	Added, non-kit part for coupler release lever
Part Count Total	82	