



HO "Original" 4-6-6-4 Challenger

Announced 03.25.16
Orders Due: 04.22.16

Union Pacific*

ETA: December 2016



Era: 1936+

CHRIS ZYGMUNT COLLECTION

With Sound

ATHG97244

HO 4-6-6-4 w/DCC & Sound Coal Tender w/Rack Dbl Stack, UP CSA-1 Class #3710

All New—Athearn® Genesis® HO CSA-1 & CSA-2 class "Original" Challenger Simple Articulated Steam Locomotives

Now available for the first time in plastic and includes better than brass detail, prototypical pilot variations, and new tender.

This stunning reproduction of the "early" 4-6-6-4 Challenger, classified on the prototype as Challenger Simple Articulated (CSA-1 and CSA-2) is the result of a focused determination to accomplish one thing: create the finest operating miniature representation of the prototype available. These unique models are being introduced in HO as Athearn® Genesis®

Additional spotting features include:

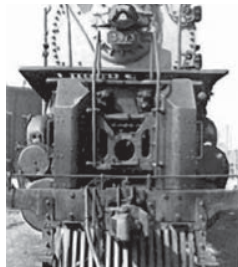
- Coal and oil tender versions
- Three different numbering systems: 3700, 3800, 3900
- Single and twin stack versions
- Large and small dome versions
- Early and Late style lettering schemes
- With coal rack or without coal rack
- Two steam pipe versions

There are five different pilots:

SERIES OF 5 PHOTOS JAMES L. EHERNBERGER COLLECTION



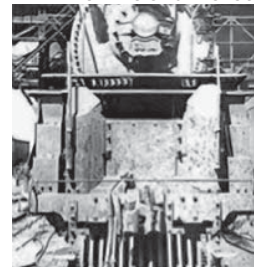
Boiler Tube with Widely Spaced Handrails



Steel Bars with Narrowly Spaced Handrails



Cast



Steel Bars with Wide Shield



Footboard Pilot

With SoundTraxx Premium Sound \$629.98 SRP

These items are subject to Horizon's MAP policy
* Union Pacific Licensed Product



Visit Your Local Retailer | Visit www.athearn.com | Call 1.800.338.4639

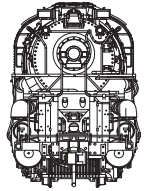
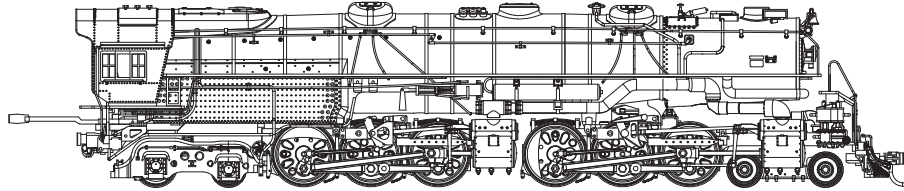
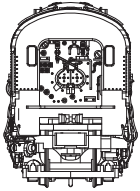


HO "Original" 4-6-6-4 Challenger

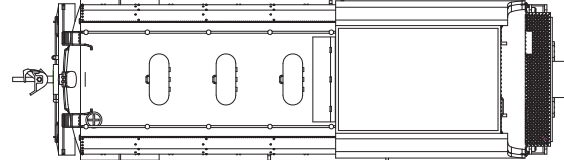
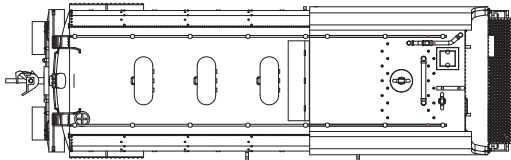
Announced 03.25.16
Orders Due: 04.22.16

Union Pacific*

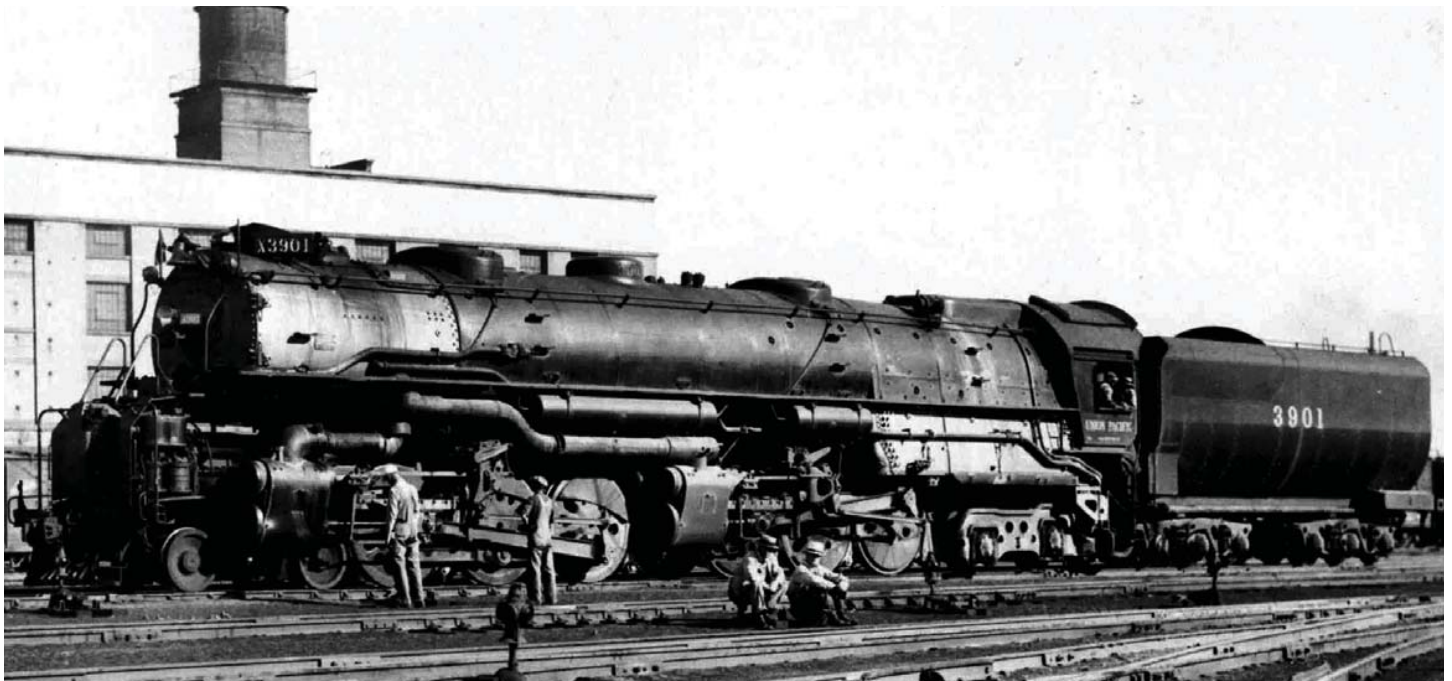
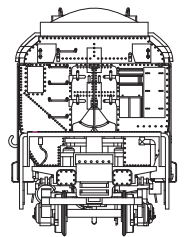
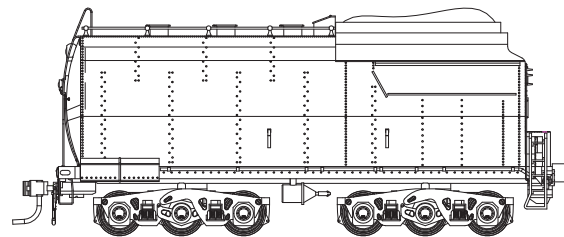
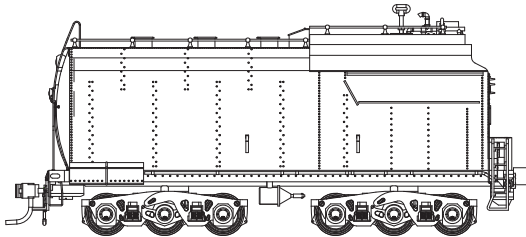
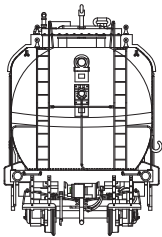
ETA: December 2016



OIL TENDER



COAL TENDER



Era: 1936+

JAMES L. EHERNBERGER COLLECTION

With Sound
ATHG97237

HO 4-6-6-4 w/DCC & Sound Coal Tender, UP CSA-1 Class #3901

With SoundTraxx Premium Sound \$629.98 SRP

These items are subject to Horizon's MAP policy
* Union Pacific Licensed Product



Visit Your Local Retailer | Visit www.athearn.com | Call 1.800.338.4639



HO "Original" 4-6-6-4 Challenger

Announced 03.25.16
Orders Due: 04.22.16

Union Pacific*

ETA: December 2016



Era: 1936+

JAMES L. EHERNBERGER COLLECTION

With Sound
ATHG97238

HO 4-6-6-4 w/DCC & Sound Oil Tender Dbl Stack , UP CSA-1 Class #3813



Era: 1936+

JAMES L. EHERNBERGER COLLECTION

With Sound
ATHG97239

HO 4-6-6-4 w/DCC & Sound Coal Tender w/Rack, UP CSA-1 Class #3802

With SoundTraxx Premium Sound \$629.98 SRP

These items are subject to Horizon's MAP policy

* Union Pacific Licensed Product



Visit Your Local Retailer | Visit www.athearn.com | Call 1.800.338.4639

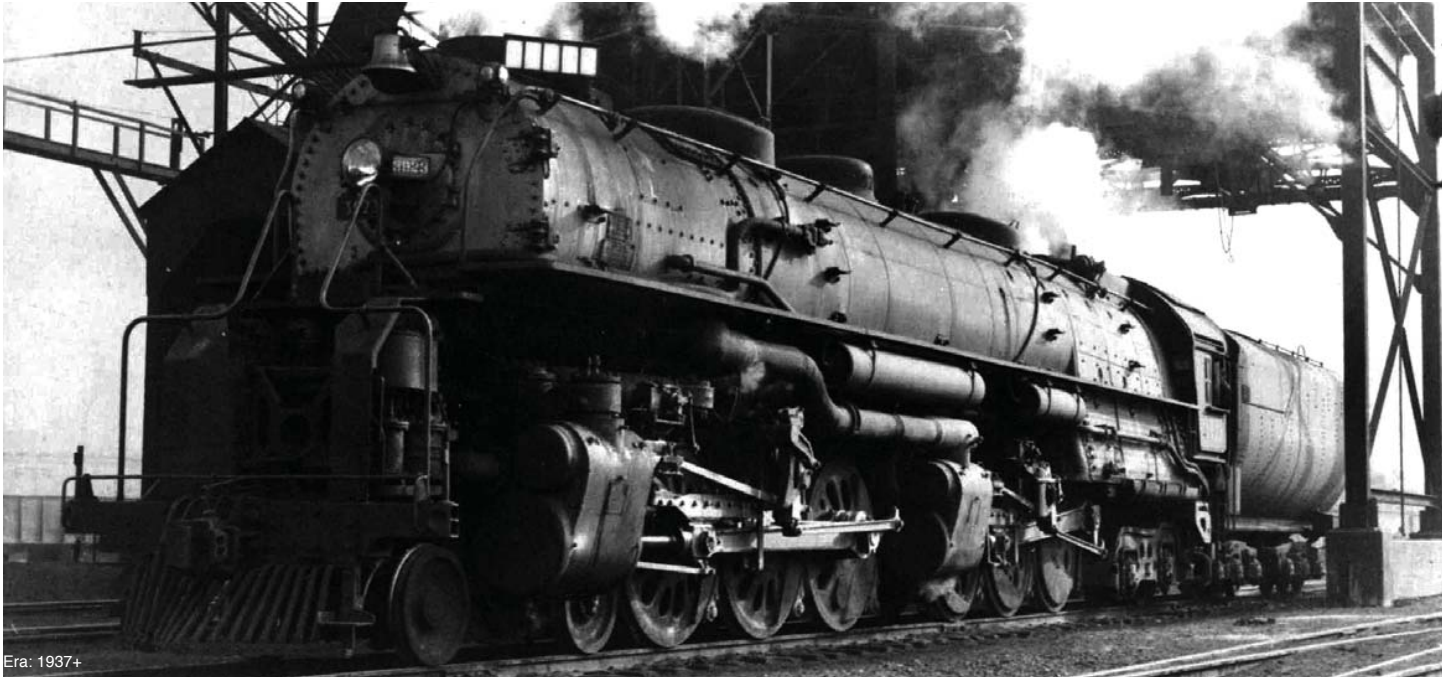


HO "Original" 4-6-6-4 Challenger

Announced 03.25.16
Orders Due: 04.22.16

Union Pacific*

ETA: December 2016

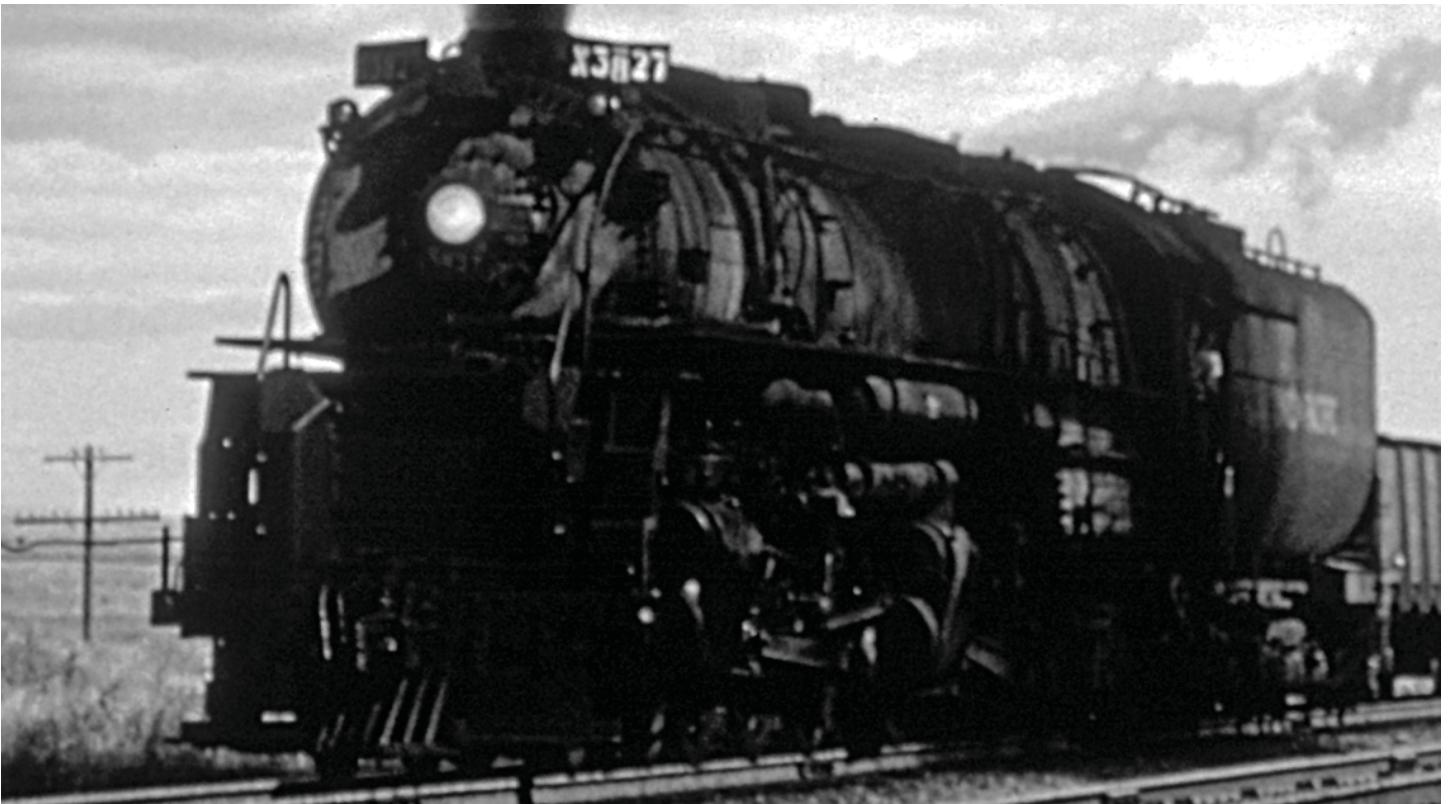


Era: 1937+

JAMES L. EHERNBERGER COLLECTION

With Sound
ATHG97240

HO 4-6-6-4 w/DCC & Sound Coal Tender, UP CSA-2 Class #3923



Era: 1937+

CHRIS ZYGMUNT COLLECTION

With Sound
ATHG97241

HO 4-6-6-4 w/DCC & Sound Oil Tender, UP CSA-2 Class #3827

With SoundTraxx Premium Sound \$629.98 SRP

These items are subject to Horizon's MAP policy
* Union Pacific Licensed Product



Visit Your Local Retailer | Visit www.athearn.com | Call 1.800.338.4639



HO "Original" 4-6-6-4 Challenger

Announced 03.25.16
Orders Due: 04.22.16

Union Pacific*

ETA: December 2016



Era: 1937+

JAMES L. EHERNBERGER COLLECTION

With Sound
ATHG97242

HO 4-6-6-4 w/DCC & Sound Coal Tender w/Rack, UP CSA-1 Class #3707



Era: 1937+

JAMES L. EHERNBERGER COLLECTION

With Sound
ATHG97243

HO 4-6-6-4 w/DCC & Sound Oil Tender, UP CSA-2 Class #3937

With SoundTraxx Premium Sound \$629.98 SRP

These items are subject to Horizon's MAP policy
* Union Pacific Licensed Product



Visit Your Local Retailer | Visit www.athearn.com | Call 1.800.338.4639



HO "Original" 4-6-6-4 Challenger

Announced 03.25.16
Orders Due: 04.22.16

All Road Numbers

ETA: December 2016

LOCOMOTIVE FEATURES:

- Fully-assembled and ready-to-run
- Boiler backhead with printed manual controls
- Individually applied piping, valves, generators, etc.
- Correctly operating eccentric cranks
- Adjustable top cab vent
- Headlights and number boards with directional light change
- Tender light
- Genesis Five pole, skewed armature can motor with flywheels
- Pivoting front and rear engines for negotiating 18" radius curves
- Current pick-up on all driver and tender wheels
- 8-pin connector plug between loco and tender
- McHenry operating knuckle couplers installed
- Minimum radius: 18"
- Recommended radius: 22"

SOUND EQUIPPED MODELS ALSO FEATURE

- Onboard DCC decoder with SoundTraxx Premium sound
- Sound units operate in both DC and DCC
- Full DCC functions available when operated in DCC mode
- Engine, whistle, and bell sounds work in DC
- All functions NMRA compatible in DCC mode
- Excellent Slow speed control
- Many functions can be altered via Configuration Value (CV) changes
- CV chart included in the box

PROTOTYPE HISTORY

The Union Pacific Challengers were a type of simple articulated 4-6-6-4 steam locomotive built by American Locomotive Company for the Union Pacific Railroad. 105 of these locomotives were built between 1936 and 1943. The Challengers were nearly 122 ft (37 m) long and weighed 284,800 kg. They operated over most of the Union Pacific system, primarily in freight service, but a few were assigned to passenger trains operating through mountain territory to California and Oregon. The locomotives were built specifically for Union Pacific and much of the experience gained later went into the design of the "Big Boy".

The name "Challenger" was given to steam locomotives with a 4-6-6-4 wheel arrangement. This means that they have four wheels in the leading pilot truck, which helps guide the locomotive into curves, two sets of six driving wheels, and finally four trailing wheels, which support the rear of the engine and its massive firebox. Each set of six driving wheels is driven by two steam cylinders. In essence, the result is two engines under one boiler. The Union Pacific Railroad sponsored development of this type to meet the need for higher speeds in main-line service. Historically, articulated locomotives had been limited to slow speeds by factors inherent in their design. The technical breakthroughs achieved with the Challenger enabled the carrier to develop the Big Boy with the same speed expectations. Speeds in excess of 60 M.P.H., while unheard-of on other railroads using articulated steam locomotives, became commonplace on the Union Pacific.

The 105 were divided into five orders, which can be put into two groups: the first two orders of "original" also known as "light" Challengers, and the final three of "heavy" Challengers. The "Heavy" Challengers are currently available in stock.

With SoundTraxx Premium Sound \$629.98 SRP

These items are subject to Horizon's MAP policy

