



GENESIS HO 4-6-6-4 Challenger Steam Locomotive

Announced 08.27.21
Orders Due: 09.24.21
ETA: October 2022

**ADDED FEATURES AND UPGRADES,
INCLUDING TSUNAMI2**

Union Pacific*



	without Sound	with Sound
UP #3985	ATHG97971	ATHG98971
UP #3933	ATHG97972	ATHG98972
UP #3967	ATHG97973	ATHG98973
UP #3997	ATHG97975	ATHG98975

In the spring of 1941 UP locomotive designers began working on a locomotive to team up with the new 4-8-8-4 Big Boy's then under construction at Alco. The Big Boy's were designed to pull heavy freights up the Wasatch Range in Utah to the division point at Green River, WY. What was needed was a locomotive to take over at that point that could speed the freights eastward across the Wyoming Division. Building on their experience with the original CSA 4-6-6-4 Challengers UP and Alco's designers developed a newer and better Challenger type locomotive. The result was a group of 65 4-6-6-4 Challenger built in three separate groups during World War II.

ROAD NUMBER SPECIFIC FEATURES:

- #3985 Modern Excursion version, Oil Burner, Era 1980's - 2000's
- #3933 Coal Burner, Dual smoke stack, Tender bunker coal extensions, Era 1940's - 1959
- #3967 Coal Burner, Dual smoke stack, Smoke Lifters, Era 1940's - 1959
- #3997 Coal Burner, Dual smoke stack, Tender bunker coal extensions, Era 1940's - 1959



\$669.99 w/o SOUND | \$769.99 w/ Tsunami2 SOUND

ATHEARN

VISIT Your Local Retailer
CLICK Athearn.com
CALL 1.800.338.4639



These items are subject to Horizon's MAP policy

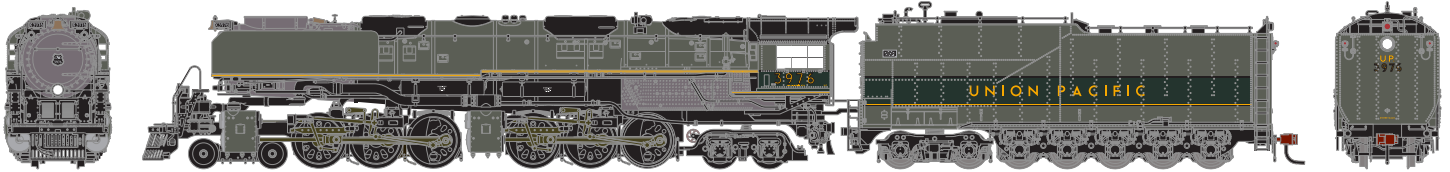
* Union Pacific Licensed Product



GENESIS HO 4-6-6-4 Challenger Steam Locomotive

Announced 08.27.21
Orders Due: 09.24.21
ETA: October 2022

Union Pacific*



UP #3976

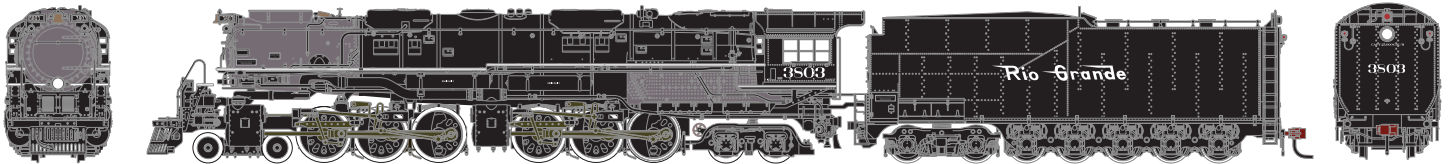
without Sound with Sound
ATHG97974 ATHG98974

UP painted several of their Challengers in their two-tone grey paint scheme for passenger service. They also added smoke lifters and converted many to oil burners as well.

ROAD NUMBER SPECIFIC FEATURES:

- #3976 Two-tone grey w/ yellow lettering and striping. Oil burner, Dual smoke stack. Era: Late 1940's - Mid-1950's.

Denver & Rio Grande Western



DRGW #3803

without Sound with Sound
ATHG97976 ATHG98976

During the World War II industrial production was overseen and regulated by the Federal War Production Board. When the UP placed their 2nd Challenger order with Alco in 1943 the WPB stepped in and had 5 of the locomotives built for the Denver & Rio Grande Western RR to help fulfill their need for additional motive power to haul wartime traffic. These 5 locomotives were built to UP's specifications.

ROAD NUMBER SPECIFIC FEATURES:

- #3803 Coal burner, Dual smoke stacks. Era: 1944-1946.



\$669.99 w/o SOUND | \$769.99 w/ **Tsunami2** SOUND

ATHEARN



These items are subject to Horizon's MAP policy

VISIT Your Local Retailer
CLICK Athearn.com
CALL 1.800.338.4639

* Union Pacific Licensed Product



GENESIS HO 4-6-6-4 Challenger Steam Locomotive

Announced 08.27.21
Orders Due: 09.24.21
ETA: October 2022

SOUND EQUIPPED MODELS ALSO FEATURE

- Tender-mounted DCC decoder with SoundTraxx Tsunami2 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

STEAM LOCOMOTIVE FEATURES:

- Illuminated number boards and headlights
- Headlight turns off in reverse
- Illuminated directional back-up light in the tender
- Correctly operating eccentric cranks
- Adjustable top cab vent and cab windows
- Pivoting front and rear engines for negotiating 18" radius curves
- Current pick-up on all driver and wheels
- Boiler backhead with full details and printed gauges
- Synchronized chuff, whistle, bell, blow-down, air compressor, dyno and pop-off valve sounds
- User-controlled whistle, short whistle, bell, squeal, coupler crash, injector, water stop and light dimmer
- Individually-applied detail parts, including brass-painted bell and whistle, piping, valves, generator, steps, air pump, air tanks, reverser and coupler lift bar
- Front coupler pocket can be inserted to mount operating coupler
- Minimum recommended radius: 22"

NEW FEATURES:

- Dual cube speakers for great sound quality
- Lighted firebox flicker effect with see-through firebox door
- Upgraded headlight lighting with brighter LED
- Improved loco-to-tender connection harness for increased durability and serviceability



PROTOTYPE SPECIFIC INFORMATION

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 Big Boy enabled the carrier to develop a newer, improved Challenger that met their speed expectations.

Though originally intended for freight service, many Challengers were used in passenger service.



\$669.99 w/o SOUND | \$769.99 w/ Tsunami2 SOUND

ATHEARN



These items are subject to Horizon's MAP policy

 VISIT Your Local Retailer
 CLICK Athearn.com
 CALL 1.800.338.4639